

Amateur Photographer

Canon SX60 HS

Is this latest 65x zoom
compact a bridge too far?



FULL TEST

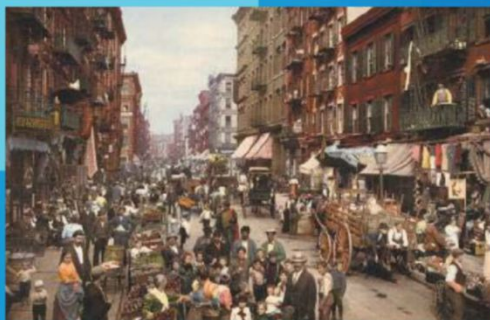
Panasonic Lumix GM5

The world's smallest
CSC with a built-in EVF

3 Essential & filters

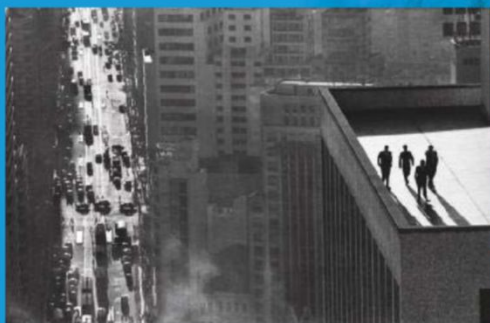
Passionate about photography since 1884

that you should own, and how to use them



Once upon a time in America

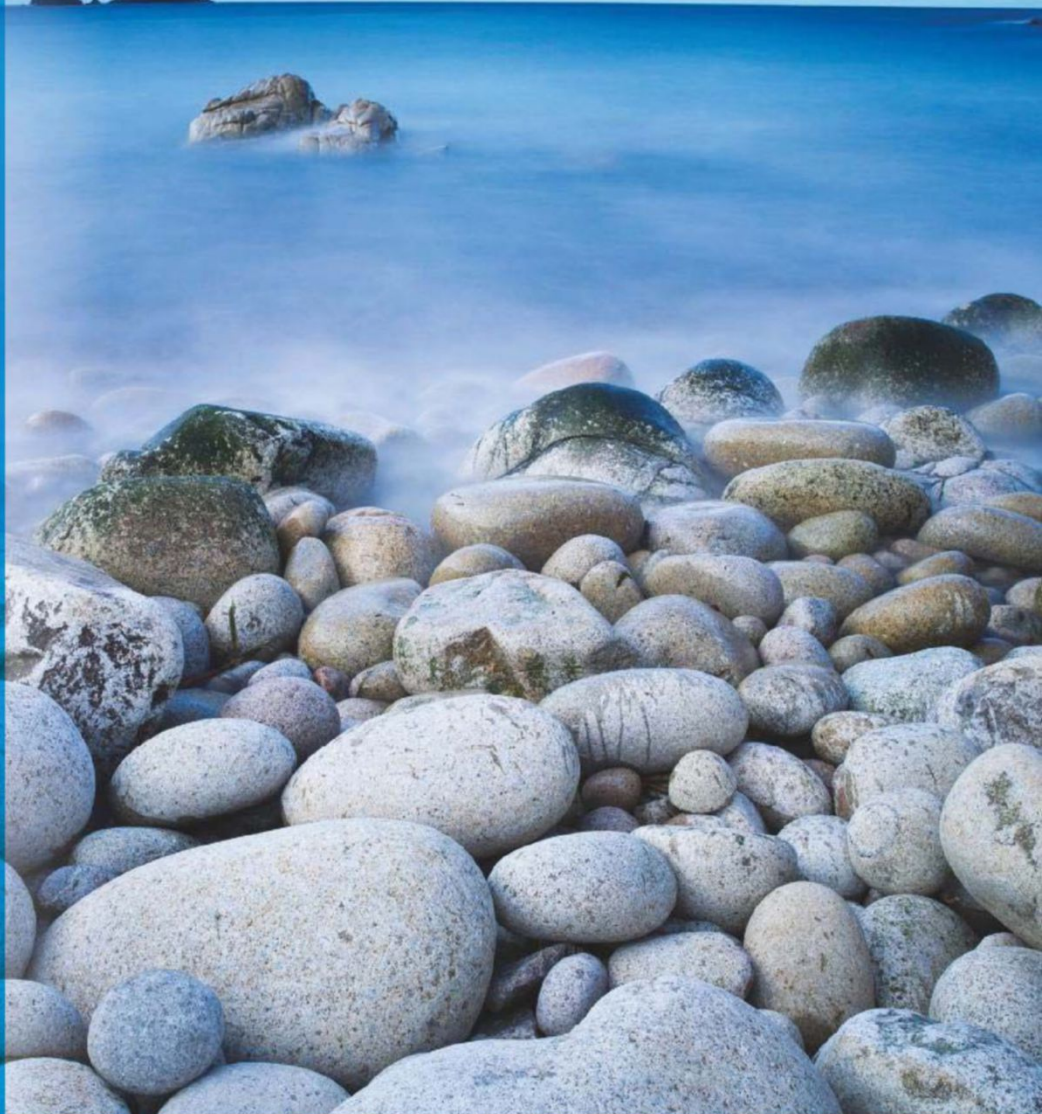
Amazing colour photos of
the US in the 19th century



René Burri

Tribute to the late, great
Magnum photojournalist

PLUS Victoria Grech This week's video masterclass looks at the world of audio recording



D750



24.3

MEGAPIXEL

51

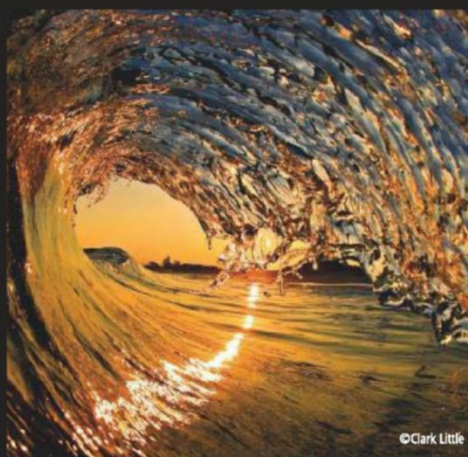
FOCUS
POINTS

TILT SCREEN

BUILT-IN WIFI

I AM A FULL FRAME FREEDOM

I AM THE NEW NIKON D750. Clark Little captures waves like nobody else. But as one of the world's most passionate photographers, he keeps challenging himself. That's why he's excited to free his vision even more with the fast, versatile and agile Nikon D750. Packed with professional imaging technology and streamlined for compactness, nothing holds this camera back. The newly designed FX-format sensor delivers exceptional image quality with cleaner results than ever before at high ISOs. Phenomenally sensitive AF performance and a burst rate up to 6.5 fps enable full freedom of expression. Search for outstanding images yourself and discover how you can make a difference with the new D750.



©Clark Little

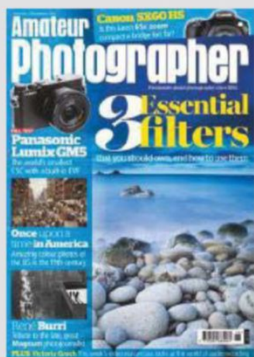
Visit nikon.co.uk



At the heart of the image

2YEAR
WARRANTY

For 2 year warranty on any camera and lens kit simply register your new Nikon within 30 days of purchase. Offer applies to UK & Republic of Ireland stock only. Call 0800 597 8472 or visit www.nikon.co.uk/register



COVER PICTURES © JEREMY WALKER, COLLECTION MARC WALTER COURTESY TASCHEN, RENÉ BURRI/MAGNUM PHOTOS

In this issue

10 Three filters you can't live without

Jeremy Walker on the filters that demand a place in his kit bag

22 A journey through time

A rediscovered archive of colour photos bring to life America at the dawn of the 20th century

28 Video masterclass

In part four, Victoria Grech explains how audio is key to a successful video

30 A place in history

We pay tribute to the iconic images of Magnum's René Burri

35 Appraisal

Damien Demolder examines your images

42 Panasonic Lumix DMC-GM5

This 16-million-pixel CSC packs a lot of punch into a small package

48 Sony Carl Zeiss Vario-Tessar T* FE 16-35mm f/4 ZA OSS lens

The newest zoom in Sony's FE lens range for CSCs

51 Canon PowerShot SX60 HS

Raw recording and a staggering 21-1,365mm zoom range feature in this Canon bridge model

Regulars

3 7 days

19 Inbox

40 Accessories

55 Technical Support

82 Final Analysis



HOW WOULD you like to own a signed print by one of the photographic greats? It sounds expensive, and usually it would be, but we've persuaded some of the biggest

names in the business to donate prints of their most stunning images to give away to AP readers. To be in with a chance of winning one, we would like you to make a donation to the NSPCC, then fill in the form on our website. For

as little as a fiver you could own an original print by Rankin, Art Wolfe, Charlie Waite, or many others, some of which are worth hundreds of pounds. How about Barry Lategan's classic portrait of Twiggy, or an iconic David Hurn picture of The Beatles?

This really is an opportunity not to be missed, so do visit our website at www.amateurphotographer.co.uk/130prints to see what's up for grabs, donate and enter. Good luck! **Nigel Atherton, Editor**

JOIN US
ONLINE

**Amateur
Photographer**
amateurphotographer.co.uk



Like us on
Facebook.com/Amateur.
photographer.magazine

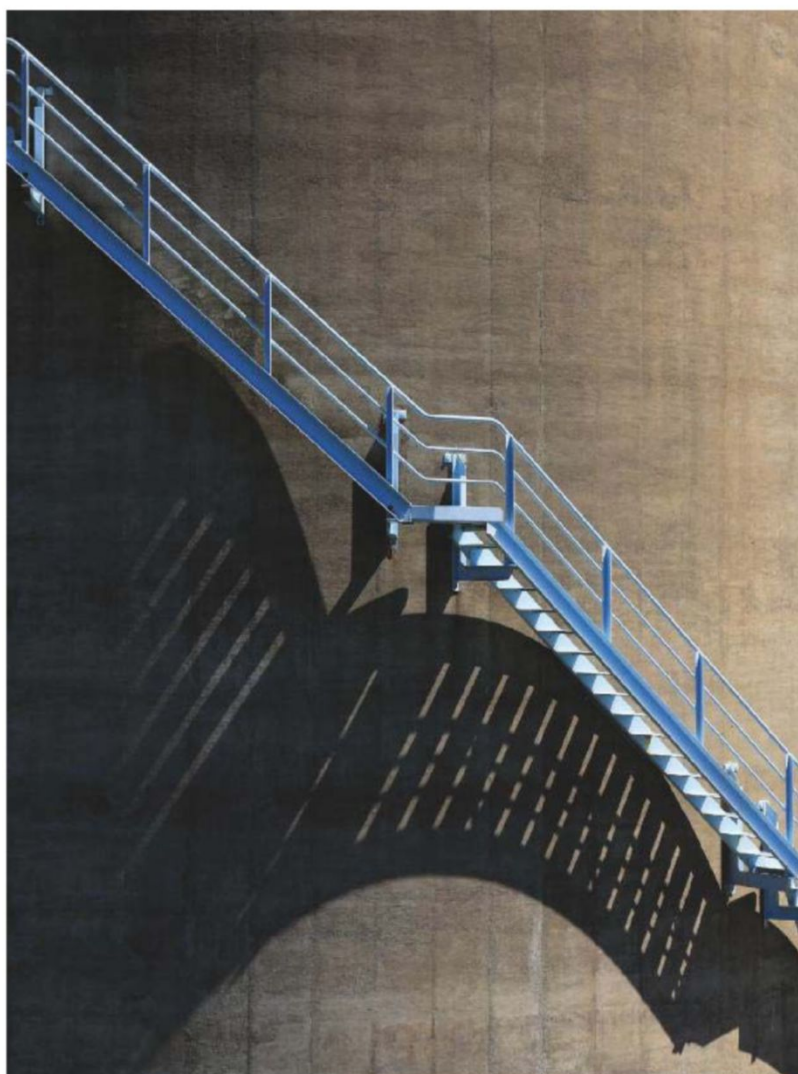


Join our Flickr group
at [flickr.com/groups/
amateurphotographer](http://flickr.com/groups/amateurphotographer)



Follow us
on Twitter
@AP_Magazine

ONLINE PICTURE OF THE WEEK



© DAVE HORTON

Silo by Dave Horton

Canon EOS 6D, 24-70mm,
1/50sec at f/11, ISO 100

THIS photograph by Dave Horton was taken in the Wynyard Quarter of Auckland, New Zealand. 'Until a few years ago, Auckland's Wynyard Quarter was land used as a bulk-storage facility by the Ports of Auckland,' says Dave. 'It is now being gradually redeveloped with a mix of office and residential buildings, plus restaurants and bars in a waterfront precinct.'

'I went there with the intention of photographing some of the new buildings, but the group of tall concrete silos – relics of the area's past – really grabbed my attention. The whole structure was interesting, but it was the smaller-scale details that I particularly liked and chose to isolate – the blue-painted ladder contrasted against the warm tone of the concrete, and the shadows cast on the curved wall of the silo.'



Win!

Each week we will choose our favourite picture posted on the AP Facebook and Flickr communities and the AP forum. The winner will receive a year's digital subscription to AP worth £79.99.

Send us your pictures

If you'd like to see your work published in *Amateur Photographer*, here's how to send us your images:

Email Email a selection of low-res images (up to 5MB of attachments in total) to appicturedesk@timeinc.com.

CD/DVD Send us a disc of high-resolution JPEG, TIFF or PSD images (at least 2480 pixels along its longest length), with a contact sheet, to the address on page 20.

Via our online communities Post your pictures into our Flickr group, Facebook page or the gallery on our website. See details above.

Transparencies/prints Well-packaged prints or slides (without glass mounts) should be sent by Special Delivery, with a return SAE, to the address on page 20.



NEWS ROUND-UP

The week in brief, edited by Chris Cheesman

Pentax 16-85mm lens

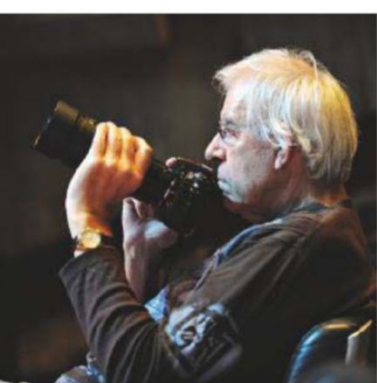
Ricoh Imaging has unveiled the HD Pentax-DA 16-85mm f/3.5-5.6ED DC WR K-mount lens, which delivers the 35mm equivalent of a 24.5-130mm focal range. The 'weather-resistant' 16-elements-in-12-groups optic features one ED and three aspherical elements to help minimise distortion. A Quick-Shift Focus system allows the user to instantly switch to manual focus. The lens is due this month, priced £599.99.



Jazzman dies aged 78

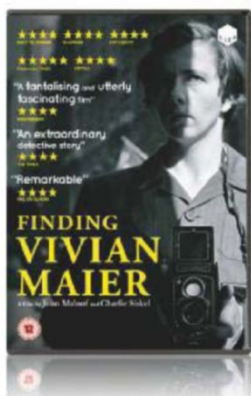
Jazz photographer David Redfern has died at the age of 78. Redfern, who was described by drummer Buddy Rich as 'the greatest jazz photographer in the world', had been battling pancreatic cancer. Redfern photographed stars such as Frank Sinatra and Jimi Hendrix, and founded picture library Redferns.

© HOWARD DENNER/RETNA/GETTY IMAGES



Maier DVD

If you missed *Finding Vivian Maier* in the cinema this summer, the DVD is due out on 10 November. The 84min film is about the 'mysterious nanny' turned photographer Vivian Maier, who secretly took more than 100,000 photographs that were discovered by chance, in storage lockers, decades later. The DVD costs £17.99. Visit www.sodapictures.squarespace.com.



YouTube hit

An online video showing how Fujifilm makes its XF lenses has proved a hit on YouTube. Running for less than 3mins, it shows technicians coating lenses, lens-barrel processing, surface finishing, polishing, assembly, engraving and final packaging.

© GORMAN SAWIN / BETTY IMAGES



WEEKEND PROJECT



© TOM CARLTON

Letter montage

If you fancy a change from shooting the same old landscapes and portraits, why not try this rather unusual, but very creative, photo project. The idea is to take individual images of letters and

shapes taken from a variety of everyday street signs, billboards and the like, then merge them together in Photoshop to spell out your name. It is deceptively challenging, as you must scout out and

Student help

High-street chain Calumet is offering discounts for students who take part in a £25-a-year membership scheme. Benefits include a £50 rental voucher and 20% off inkjet paper, plus gifts including an 8GB USB stick. Visit www.calphoto.co.uk/student.





BIG picture

A devastating image from the Turkey-Syria border by Gokhan Sahin

◀ This astonishing image from Getty photographer Gokhan Sahin shows an explosion rocking the Syrian city of Kobani during a reported suicide car-bomb attack by the militants of Islamic State (ISIS) group on a People's Protection Unit (YPG) position in the city centre of Kobani. Sahin was positioned on the outskirts of Suruc, on the Turkey-Syria border, in the Sanliurfa district of Turkey. According to Minister of Foreign Affairs Mevlut Cavusoglu, Turkey will reportedly allow Iraqi Kurdish fighters to cross the Syrian border to fight Islamic State (IS) militants in the Syrian city of Kobani. In addition, the United States has sent planes to drop weapons, ammunition and medical supplies to Syrian Kurdish fighters around Kobani.

Words & numbers

Like the people you shoot and let them know it

Robert Capa

War photographer and photojournalist



1 Although it's tempting, don't just stick to shooting letters on street signs. Try to be a little more creative in your approach and look for shapes in your surrounds that could make up the letters – like the bicycle wheel 'O' in our shot.

2 In order to capture the most detail in your letters and to crop out any other distractions, you may have to shoot close-up, which will require a lens that has a relatively good minimum focusing distance.

3 You don't have to spell your first name using this technique. If you fancy doing something a little different, why not try spelling out the name of your home town, or even your family's last name instead?

4 Once you've constructed your final montage, why not see about getting it printed via a professional printing service? The resulting image would make an eye-catching piece of art when placed on the wall in your home.

record each of the letters you'll need from your local area. In turn, it will change the way you view your surroundings. Once you get started, you'll look at every street sign and advertisement board in an entirely new light, as you start to piece together the letters needed to create your name.

£5,906

Amount raised to convert a Leica M3 film camera to digital through the crowdfunding website Kickstarter.
Visit www.kickstarter.com

Riach says the shopping centre did not display any 'no photos' warning signs



© BOB RIACH

'Public' land no longer safe from security fears

PHOTOGRAPHERS can expect to be quizzed by private security even if they take photographs while standing on public land, warns a shopping mall at the centre of a rights storm.

The alert came after AP asked the Princes Quay shopping centre in Hull to elaborate on a statement it made in the wake of a controversial stop of a photographer last month, amid terrorism fears.

Photo enthusiast Bob Riach was stopped by a private security guard outside Princes Quay shopping centre on 23 October. He had been taking night shots from a paved area outside the building – land the centre said it owned.

Speaking shortly after he was stopped, Riach said the guard told him: 'You are not allowed to take photographs of this building. We are on "security level 3".' The photographer said the guard specifically referred to concerns over an attack from the terror group 'Isis'.

A Princes Quay statement on the incident read: 'Our policy, which is enforced by our security team, is that no one should take photographs or shoot film footage within or around the centre without the permission of centre management.'

When asked what it defines as 'around the centre', given that photographers have a legal right to take photographs



© BOB DEVIS

Local photographers stage a 'peaceful protest' after the clash

from public land, a spokeswoman replied: 'We would suggest standing on [nearby] Princes Dock Street or Waterhouse Lane if anyone is wanting to take any photographs.'

'However... our security team may still approach people taking photography [sic] and find out why they are doing so, as the safety and security of our visitors is of paramount importance to us.'

In response to the centre's stance, Riach said: 'I could understand this approach if the subject of the photo was a military property, an oil refinery, airport or property of a sensitive nature.'

Rights campaigner Austin Mitchell MP told AP: 'It's silly because the man stopped in Hull was using a tripod and a professional camera... And because we are the most photographed nation on Earth with security cameras all over the place...

'We are all carrying mobile phones and photographing each other, so alarm now about security would, itself, be ridiculous. But I think we should keep our cool and maintain the view that photography is a right.'

'We have a right to take photographs in public places and just not get het up about it.'



© CHRIS CHESMAN

Bob Riach (left) and rights campaigner Austin Mitchell MP



© ALEX DAVIES

Calendar photo tribute

A HOMELESS woman who won a fundraising calendar photography competition did not live to hear of her achievement.

Alex Davies won the Judges' Choice award (see above) in the My London calendar competition, which involved more than 100 people affected by homelessness taking pictures using single-use cameras.

The contest was run by Café Art, an organisation that aims to connect homeless people with the wider community through art.

Alex died a few weeks before the calendar was published.

The contest was judged by a panel that included AP.

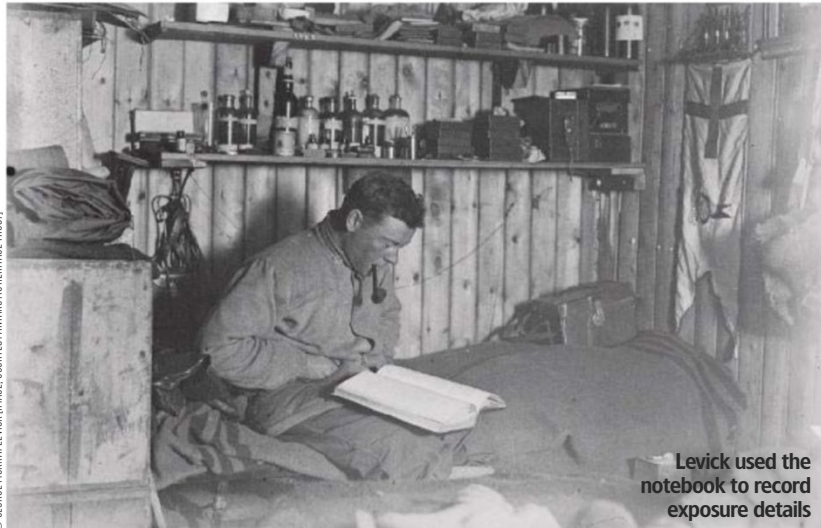
The My London calendar costs £9.99. To order, visit www.cafeart.org.uk.



Subscribe to
Amateur Photographer
SAVE 43%*

Visit www.magazinesdirect.com/CDG4

* when you pay by UK Direct Debit



© GEORGE MURRAY LEVICK IMAGE, COURTESY ANTARCTIC HERITAGE TRUST

Levick used the notebook to record exposure details

Scott photographer's notebook revealed

A PHOTOGRAPHER'S notebook that was used on Captain Scott's last expedition more than 100 years ago has been revealed by melting snow in the Antarctic.

The notebook belonged to George Murray Levick, a surgeon, zoologist and photographer, who used it to record dates, subjects and exposure details.

Levick was part of Captain Scott's 1910-1913 expedition. He died in 1956.

Writing in pencil, Levick used it for photos taken at Cape Adare in 1911, before he spent a harsh winter in an ice cave, according to the Antarctic Heritage Trust, which discovered the notebook and has now conserved it.

'It's an exciting find. The notebook is a missing part of the official expedition record,' said the Trust's executive director Nigel Watson.

'After spending seven years conserving Scott's last expedition building and collection, we are delighted to still be finding new artefacts.'

Although the notebook's binding has been destroyed by a century of ice and water, this has made it easier to separate the pages and digitise them before repair.

Last year, the Trust found 22 negatives in photographer Herbert Ponting's darkroom at Cape Evans.

Visit www.nzaht.org/aht/Levicks-notebook.



Though the binding suffered a century of ice and water damage, the pages survived intact

LED Light Cube goes on sale in UK



The stackable device is sold as single cubes, or in sets of two or four

THE LED Light Cube – a portable, battery-powered device designed to provide photographers and videographers with an LED flash and constant light source – has been released in the UK for the first time.

Announced last year, the £516 LED Light Cube features an adjustable flash speed and continuous high-speed flash at full power.

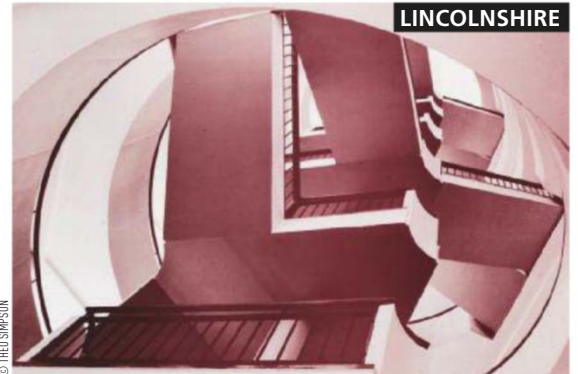
Manufacturer IC12 claims the LED Light Cube can deliver more than 10,000 flashes, at 1/60sec duration (from a single battery charge) at full power. It can also be used as a video light.

Visit www.LEDlightcube.co.uk.

For the latest news visit www.amateurphotographer.co.uk

Get up & go

The most interesting things to see, to do and to shoot this week. By Jon Stapley



LINCOLNSHIRE

Lesser Known Architecture

Theo Simpson explores the lesser-known but extraordinary, paying tribute to the architects and engineers that made them possible. The National Centre for Craft & Design will also be hosting a learning and events programme to complement the exhibition.

22 November-20 March 2015, www.nationalcraftanddesign.org.uk



LONDON

Winter Wonderland

Is it that time already? Apparently so, because Winter Wonderland is getting into gear, which means we'll all be decking the halls before you know it. There is, as ever, a ton of festive fun to see and photograph, including a 'Magical Ice Kingdom'.

21 November-4 January 2015
www.hydeparkwinterwonderland.com



EVERYWHERE

Terry O'Neill Award

Honour, prestige and sweet cash prizes are all on the table for entrants to the Terry O'Neill Award, which closes at the end of the month. Submit between three and ten images as a series with a narrative – the list of categories is available on the website.

Until 30 November
www.oneillaward.com



LONDON

Alistair Taylor-Young

Alistair Taylor-Young returns to the Little Black Gallery with an eclectic series that includes landscapes, portraits, fashion and more. This show looks back at the best of his career while also presenting a few new works.

Until 29 November
www.thelittleblackgallery.com

Stan Douglas

Artist Stan Douglas gets a solo exhibition with his trademark intertwining of Hollywood movies and literary texts presented in films and photographs. Kafka's *The Trial* gets a reimagining, and computer-generated 'renderings' are made to look like historical photographs.

Until 15 February 2015
www.fruitmarket.co.uk



EDINBURGH



Viewpoint Jon Bentley

Why are so many galleries reluctant to reveal the technical details behind the images they display? The information to be gleaned is invaluable to many photographers

When you look at a photograph, do you expect to be supplied with information about the equipment used to create it? Most photographic magazines supply details of the camera, lens, shutter speed, aperture and ISO settings, and possibly references to lighting and image-editing techniques. However, once you step into the world of the photo gallery, and the more self-consciously artistic photo magazine for that matter, photographs are almost always presented without these particulars. I guess the argument is that you're supposed to be concentrating on the art of the picture and what it communicates rather than hardware.

Often I would like to know more, though. I recently attended an exhibition called *Don't Stop Now: Fashion Photography Next* at the Foam gallery in Amsterdam in the Netherlands, and felt that thirst for extra information. For example, I loved the shots taken by Jamie Hawkesworth in Preston Bus Station and their subtle, almost Instagram-like, late '60s hues that seemed so appropriate to the brutalist architectural setting. Unfortunately, there wasn't a clue as to how he had achieved them.

Searching him out on the internet later, he seems quite happy to share his techniques. He's a keen fan of film, in particular Kodak Portra, shoots almost entirely using his Mamiya RB67 and Pentax 6x7, and

achieves his delightful colour profiles in a darkroom with a De Vere 504 enlarger.

Daniel Sannwald's striking work raised questions of technique (see image below). It would be riveting to have a hint of the processes by which he creates his images that combine literal photographic representation with extreme digital invention: pixelating, extruding, coating and transforming figures in arresting ways.

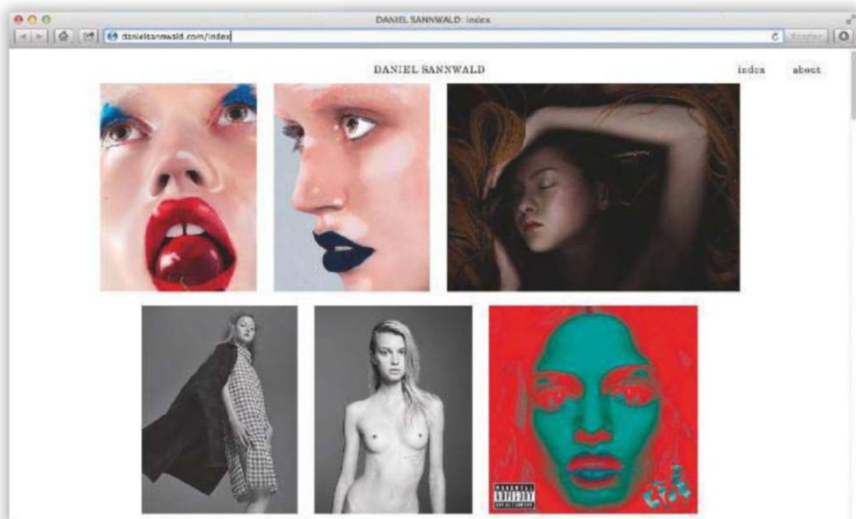
There are exceptions to the general secrecy. We are allowed to think about Kodak Tri-X when we take in an exhibition of Sebastião Salgado's work, but usually even such limited information is absent.

This reticence doesn't seem to be the case in art galleries. At the Tate, for example, they openly discuss Constable's brush strokes.

There must be a compromise, an optional catalogue or smartphone app, perhaps, that can supply the information if required without interrupting the artistic contemplation for others.

The *Don't Stop Now: Fashion Photography Next* exhibition opens in the UK next January at the London College of Fashion. I'd be even more inclined to see it again if there were a way of accessing added information on how the photographers created their images.

Jon Bentley is a TV producer and presenter best known for *Top Gear* and Channel 5's *The Gadget Show*



Do you have something you'd like to get off your chest? Send us your thoughts in around 500 words to the address on page 22 and win a year's digital subscription to AP, worth £79.99

New Books

The latest and best books from the world of photography. By Oliver Atwell



Hackney Photographs 1985-1987

By Berris Conolly, Dewi Lewis, £30, hardback, 96 pages, ISBN 978-1-907893-56-8



HACKNEY is an area of London steeped in history. In fact, you can look back as far as Tudor times to trace its development. The region we see now, while not exactly a glowing cosmopolis, is

seen by many as an up-and-coming and fashionable place to live and work. What's fascinating about these images taken by Berris Conolly during two years in the second half of the 1980s is how the area has moved from decline into desirability and, recently, into the controversial realms of gentrification. Conolly only photographed the places that were familiar to him, utilising an ever-present and well-thumbed A-Z to help him on his way. In the end, Conolly amassed an archive of around 1,500 images, all of which are a vital part of London's history. ★★★★★

Developer Trays

By John Cyr, Powerhouse Books, £24.60, hard cover, 144 pages, ISBN 978-1-57687-687-9



LOOK inside any photography darkroom (assuming you can find one), cast your eye over the objects within and you'll see an array of equipment that is fast approaching redundancy. One of those objects is the humble developer tray – that slab of plastic or metal that used to hold so much magic for photographers.

Brooklyn-based photographer John Cyr – a master printer – has created a photographic record of the trays owned by some of the world's most renowned photographers. He has succeeded in creating a nostalgic project that is sure to engage any reader longing for film photography to maintain some level of relevance in today's world. The large-format images reveal so much about their subjects: the chemical stains, the scratches and the dents. Cyr's project either serves as an emotional bookend to an age of photography or acts as a plea to never forget the roots of the medium. ★★★★★



Sony Alpha Centres of Excellence

Richard Sibley paid a visit to **Park Cameras'** recent **Sony Alpha 7** seminars

You may not realise it, but your local Sony Alpha Centre of Excellence is much more than just a camera store. Each store hosts events throughout the year to help you get more from your Sony

camera. I recently went along to one such day at Park Cameras in London. Renowned street photographer Michael Wayne Plant was on hand to talk about how he shoots with his Sony Alpha 7S. But the day wasn't all about technique. Michael also

went through the key features of the camera, including exposure and image settings, and he even took the time to go round and help those who had brought along their own Sony cameras. It was great getting hands-on advice from a pro.

There was a full range of Sony equipment on display in the store, and Michael, the Sony team and Park Camera's staff were all too happy to explain the various models, how they worked and what type of photography they were best suited for.

Events such as these are hosted at Sony Alpha Centres of Excellence up and down the country, so check your local store to see what is on near you.

FORTHCOMING EVENTS

Look out for these Sony Alpha experience days

15 November 2014
Wilkinson Cameras, Liverpool

Tel: 01772 252 188
www.wilkinson.co.uk

28 November 2014
Jessops, London

Tel: 0207 434 3586
www.jessops.com

29 & 30 November 2014
LCE, Bristol

Tel: 0117 927 6185
www.lcegroup.co.uk

Sony FE zooms

Premium-quality lenses

Despite the Sony Alpha 7 system being just over a year old, there is already a growing range of full-frame E-mount (FE) zoom lenses. The latest addition is the Carl Zeiss Vario Tessar T* FE 16-35mm f/4 ZA OSS, which joins the Vario-Tessar T* FE 24-70mm f/4 ZA OSS. Also available is the excellent 70-200mm f/2.8 G SSM II, which is



great for wildlife and sports. However, for video shooters, the FE PZ 28-135mm f/4 G OSS lens has been specifically designed to suit your needs.

α Centre of Excellence

ASK.....London
Camera World.....Chelmsford
Cardiff Camera Centre.....Cardiff
Cardiff Camera Centre.....Newport
Castle Cameras.....Bournemouth
Devon Camera Centre.....Exeter
Digital Depot.....Stevenage
Great Western Cameras.....Swindon
Harrisons.....Sheffield
London Camera Exchange.....Bristol (Horsefair)

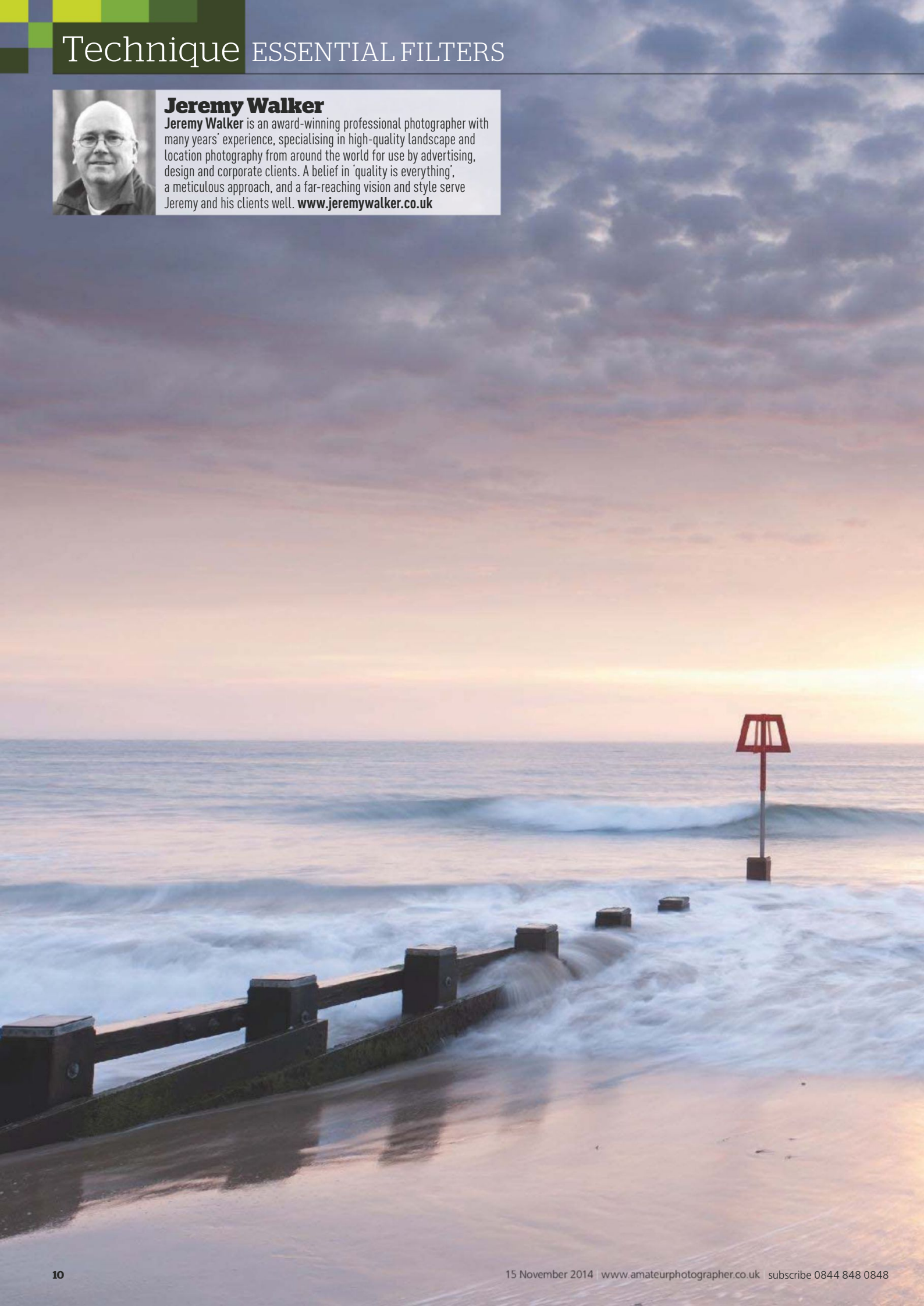
London Camera Exchange.....Chester
London Camera Exchange.....Chesterfield
London Camera Exchange.....Colchester
London Camera Exchange.....Leamington Spa
London Camera Exchange.....Manchester
London Camera Exchange.....Southampton High Street
Pantiles Cameras.....Tunbridge Wells
Park Cameras.....Burgess Hill
Warehouse Express.....Norwich
Wilkinson Cameras.....Preston

Wilkinson Cameras.....Southport
York Camera Mart.....York
UK Digital Ltd.....Clitheroe
Peter Rogers.....Stafford
Bass & Blyth.....Harrogate
Photo Express.....Ulverston
Carlisle Sony Centre.....Carlisle
TCR Sony Centre.....London



Jeremy Walker

Jeremy Walker is an award-winning professional photographer with many years' experience, specialising in high-quality landscape and location photography from around the world for use by advertising, design and corporate clients. A belief in 'quality is everything', a meticulous approach, and a far-reaching vision and style serve Jeremy and his clients well. www.jeremywalker.co.uk





Three filters you can't live without

Despite the powers of Photoshop, there's still an essential place for filters in your kit bag, as **Jeremy Walker** reveals

So it's the 21st century and we are still putting pieces of plastic in front of cameras and lenses that cost millions of pounds to design and develop. Really? Surely it's possible to do everything in-camera or in post-production and there's absolutely no need for filters whatsoever? Yeah, right!

There is a time and a place for modern electronic wizardry, either in-camera or in programs such as Photoshop, but I am a firm believer in getting it right at the time of taking. Why go out on location knowing you could shoot and get the image right, but then decide, 'I'll do that later on the computer'?

I spend far too much time sitting in my office staring at a computer screen, thank you very much, so for me, going out on location, getting the shot and getting it right first time is a very satisfying experience.

That is not to say there is absolutely no place for pure electronics – the two methods can sit side-by-side – but I think there is a look and feel to an image where light is being transmitted through an optical surface, rather than something being invented out of a series of noughts and ones.

So I need to load my camera bag up with hundreds of expensive filters then, do I? Simply put, no. There are two main types of filter: the glass screw-in, and the 'system', whereby one size of filter will fit many different diameter lenses via a universal holder and a removable adapter ring, which is an incredibly flexible and versatile system. The glass screw-in type has severe limitations, and if you have many lenses with different filter threads, you'll need a filter for each.

When I talk about filters, I am in fact referring to the system-type holder and, in particular, the Lee Filters 100mm system. I have been using this system for nearly 20 years because the optical quality of the filters is second to none – in fact, the filters will be as good as the glass used in your lens. Also, the filters are constructed not from plastic but optical resin made by the filter manufacturer itself to an incredibly high standard.

There are three main filter types I would consider to be essential, some technical to correct or balance exposure, and some for creative effect. Read on to see which filters these are.

Graduated neutral density filters

Balance the foreground and sky for perfect landscapes taken in-camera



WITH FILTER

A soft ND grad was used to provide a smooth transition, avoiding a divide that can happen with a hard grad



WITHOUT FILTER

Without the soft ND grad the top of the frame has lost detail, thus unsettling the image

If I could only travel the world with one filter this would be it: a 2-stop, hard-edge neutral density graduated filter – or, as they are more commonly known, an ND grad.

An ND grad is a filter that is clear in the lower half and fades or gradates into a darker tone nearer the top. The dark tone of the filter is neutral (or at least, it is in the better-quality filters) and should not affect the colour of the final image. The gradation can be varied so the fade from light to dark can be either very subtle or quite strong, known as a soft or hard-edge grads respectively. The ND grad is used for controlling the exposure difference between foreground and sky, with the sky usually being the brightest part of the image.

If no filter is used and you just point the camera at the view, the camera's meter will invariably be fooled by the brightness of the sky and you will have a perfectly exposed sky and a dark or underexposed foreground. By metering for the foreground the opposite will happen, leaving you with a perfectly exposed foreground and a sky that is overexposed. By placing the dark area of the grad over the sky and the clear portion over the foreground, you will balance the exposure between the two. The filter can be moved up or down independently of other filters in the holder, so that the gradation sits on the horizon or in another appropriate position for the shot.

USING AN ND GRAD



1 Compose and meter

The first thing to do is to frame your image so you know what foreground and sky is going to be included in the frame. With that done, meter for the foreground by pointing the camera downwards, without using the filter and in manual metering mode, and note the reading.



2 Set the exposure

Now meter for the sky, again with no filter, and note the reading. To work out the difference in exposure between the foreground and sky, compare the difference in shutter speeds. If the first reading is 1/60sec at f/11 and the second is 1/250sec at f/11, the difference is 2 stops.



3 Shoot

Shoot a test frame at the first reading – the foreground should be perfectly exposed and the sky overexposed by 2 stops. Now slide a 2-stop (or 0.6 in Lee terms) hard-edge grad down to the horizon line and shoot another frame. You should end up with a perfectly exposed frame.

With a defined horizon, a hard ND grad is more appropriate



WITH FILTER

Without an ND grad attached, detail has been lost in the highlights



WITHOUT FILTER

Light levels

It really is as simple as that, although there are some variables, such as just how bright the sky is. A clear-blue sky is going to require a different exposure from hazy cloud, which will be yet a different exposure to cloud that is backlit by the sun. To counter these variables, ND grads come in different strengths measured in whole or half stops, from 1EV

through to at least 4EV, and can also be used with other filters.

Working out the exposure difference between the sky and foreground is very easy: just point your meter at one and take a reading, then point the meter at the other and take another reading, then look at the difference in shutter speed or aperture. A more difficult decision is whether to use a hard grad or a soft grad,

but as a general rule of thumb hard grads are for landscapes where the horizon is relatively flat and uninterrupted, while soft grads are for images where things may break the horizon, such as trees. This is a just a rough guide and some experimentation will be needed, but once you know what your filters can achieve, you could combine soft and hard grads to feather the area of gradation.

KIT LIST



▲ Lee Filters Digital SLR Starter Kit £199

This contains an assembled filter holder, a 0.6 (2-stop) hard-edge ND grad, a cleaning cloth, a Tri-Pouch, as well as a ProGlass 0.6 ND filter (see over the page for more details). Adapter ring extra.



▲ Formatt Hitech ND Grad Hard Edge Filter Kit £109

Comprising 0.3 (1-stop), 0.6 (2-stop) and 0.9 (3-stop) hard-edge ND grad filters, you'll need the dedicated 100 Modular Filter Holder (£45) and adapter ring (price depends on lens).

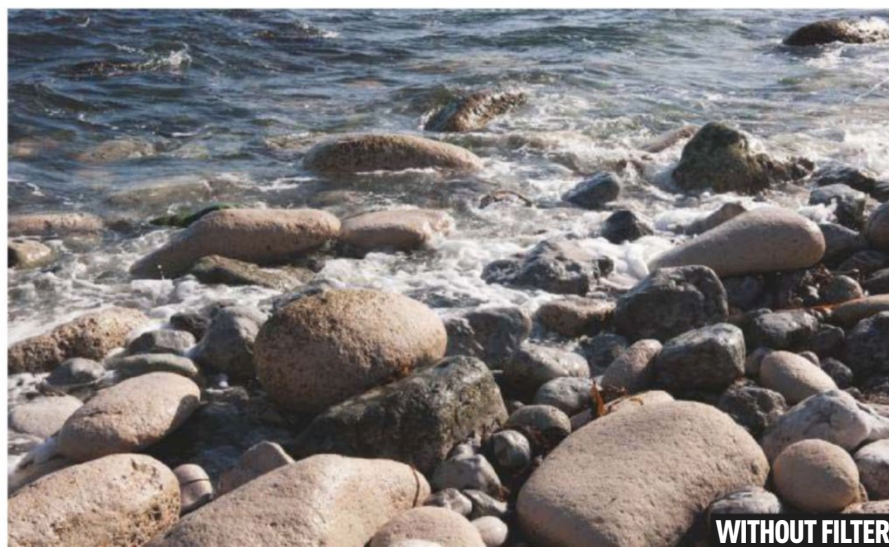


▲ Cokin H250A ND Graduated Filter Kit £44

This contains a P-Series filter holder and a set of three graduated filters of varying strengths (you'll need to buy a separate adapter ring).



By increasing the length of the exposure, you can shoot images that the human eye can't record



Neutral density filters

For extended exposures and creative effects, the ND filter offers all you need

Neutral density (ND) filters are often easily confused with ND grads, but the difference is very simple. A neutral density graduated filter has a clear area that gradates into a darker tone in the upper portion of the filter and exposure is only affected where the dark tone is. A neutral density filter has the dark tone covering the entire filter and will affect the whole image. Graduated filters tend to be rectangular and neutral density filters are usually square, so if you can tell the difference between a square and an oblong, you will know what type of filter you have in your hand

So why shoot with a neutral density filter? Neutral density filters are used to increase the length of exposure for creative or artistic effect, to emphasise movement or motion blur. How much blur depends on the strength of the filter, which you will find are most commonly available in 3, 6 and 10-stop strengths. ND filters can also be used in conjunction with ND grads, one controlling the exposure difference between foreground and sky, and the other controlling the amount of blur over the whole image.

USING A 10-STOP ND FILTER



1 Compose

If you're using a Big Stopper, set the white balance manually to 10,000K. Frame and compose your image, as well as taking a meter reading. At this point, focus your shot as well, making sure that autofocus is turned off afterwards.



2 Set exposure

If you need a graduated filter to control the exposure between foreground and sky, insert the appropriate filter. Then work out the difference between your readings and an increase of 10 stops. For instance, 1/60sec becomes 16secs. There is a guide to exposures supplied and there are plenty of apps available.



3 Shoot

You're ready to shoot. Insert the Big Stopper in the slot nearest to the lens with the foam seal towards the holder. Cover the eyepiece to stop extraneous light entering the camera, then lock the mirror up. Use a remote trigger if possible and shoot.

3 stops

A 3-stop filter will increase the length of exposure by, as the name suggests, 3 stops. This will allow you to introduce a hint of creative blur or motion, but still allow you to record some detail in the subject. You can meter directly through the filter and AF will work. They are useful for shooting city scenes with people in or moving water, when just a hint of blur is needed.

My choice is Lee Filters' Pro Glass 0.9, as it doesn't cause a colour shift and it is made from very high-quality glass rather than resin. And they do not bounce off hard surfaces – I have tried.



6 stops

These are useful for increased amounts of blur and motion, such as for silky waterfalls, flowing rivers and smoothing out crashing waves. Again, autofocus and metering will work through the filter, but composing the image is a lot easier without the filter in place.

I use a Lee Filters Little Stopper, which is not technically neutral due to the type of glass it is manufactured from and the colour wavelengths it reacts to, but this is easily corrected if shooting raw. The Little Stopper is very similar to the Pro Glass, but has a small foam seal on its reverse that must sit closest to the lens to prevent non-image-forming light entering the camera. The viewfinder should also be covered to prevent light entering the prism and mirror box, resulting in a pale magenta patch on the final image.

10 stops

You can increase your exposure by a whopping 10 stops for some really cool special effects. For instance, a meter reading that indicates 1sec at f/11 will change to 17mins with a 10-stop ND filter attached. Anything that moves in your image will blur – waves, rivers, people, clouds – while exposures of several minutes can easily be achieved in bright conditions.

Needless to say, you will need a sturdy tripod and a lot of patience. The Lee Filters Big Stopper is again not neutral, but by setting the camera's white balance to 10,000K you will reduce any colour shift. The Big Stopper also has to be placed nearest the lens in the filter holder, with its foam seal creating a light-tight barrier.

KIT LIST



▲ Lee Filters Big Stopper £100

Designed for Lee Filters' 100mm filter system, this has proved incredibly popular. A smaller version is available for the Seven5 system for smaller cameras.



▲ B+W 110 ND from £70 (58mm)

B+W's circular 10-stop ND filter is available in a range of filter sizes.



▲ Tiffen Variable Neutral Density Filter from £100 (58mm)

This provides a variable 2 to 8 stops of light control, affording the convenience of using several ND filters.

KIT LIST



▲ Lee Filters Landscape Polariser Filter £175

This slim polariser will go down to 16/17mm without vignetting when used with a two-slotted filter holder on a full-frame 35mm sensor. Also features a slightly warm bias.



▲ Hoya Pro1 Polariser Slim Filter from £40 (40.5mm)

A multicoated filter to reduce lens flare, while the low profile reduces the risk of vignetting.



▲ Tiffen Circular Polarising Filter from £30 (52mm)

A good affordable option to control colour and contrast.



Polarisers

Remove reflections and boost colour saturation

There are two types of polariser: linear and circular. We are interested in the circular polariser, but just to make your life complicated, did you know you can have a square circular polariser, too? The term circular polariser does not refer to its physical shape, but to the way in which the light is polarised – in a circular motion. Linear polarisers have a habit of messing up autofocus and metering, so you should stick to the circular type.

Do you need a polariser?

A polariser has a couple of very important functions. First, it reduces reflections on surfaces such as water, metal, glass and even foliage, and second, it increases colour saturation and contrast – particularly noticeable when you have blue skies and fluffy white clouds in an image.

Autofocus and metering are both

possible through the polariser once it is on the camera. The polariser can be freely rotated on its own ring to bring it to the point of maximum polarisation, which is visible through the viewfinder or live view. However, the polariser works best when you are viewing your landscape or scene at 90° to the sun, so that your subject is cross-lit. If you are shooting into the light, the polariser will have little or no effect.

A bad habit to get into is just leaving the polariser on all the time – use it only when it's necessary. The polariser can also be used in conjunction with other filters, such as neutral density filters and grads.

Bad habits

Another bad habit that many people fall into is using a polariser on a wideangle lens. If the lens is too wide you will end up with blotchy, uneven skies going from

light blue to dark and back to light again, leaving a dark patch in the sky. This is because the polariser can only polarise light up to a maximum angle, and when the lens is wider than this angle it causes the uneven appearance of the sky. Try looking at images shot on lenses wider than 35mm and see how the sky reacts to the polariser – at 24mm it will become very noticeable.

Polarisers are usually neutral in colour, but some come with a subtle colour tint or tone. Some polarisers have incredibly garish colours like gold and purple or blue and yellow hues in them. These are fun once or twice, but on the whole they are to be avoided.

So do I have the above filters in my bag? Too right I do. A polariser, a few grads and a couple of neutral density filters are invaluable and will go a long way to helping you improve your photography.



WITH FILTER



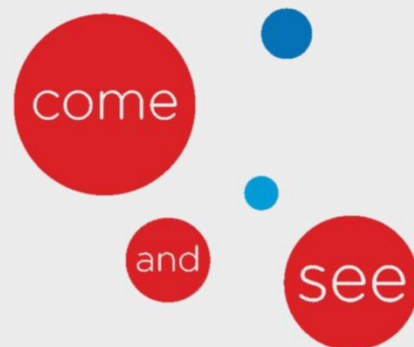
WITHOUT FILTER

A polariser can cut out unwanted reflections and boost both contrast and colour saturation in a scene



SEE IT TEST DRIVE IT

Take a test drive with Canon to make sure you choose the best camera for you.



TAMRON SUPER ZOOMS

£50 CASHBACK

With **£50 Cashback** and a **5 Year Warranty** there has never been a better time to choose these award winning Tamron lenses...



18-270mm **5 YEAR WARRANTY**

F/3.5-6.3 Di II VC PZD

Lightweight, compact
15 x DSLR Zoom Lens



16-300mm **5 YEAR WARRANTY**

F/3.5-6.3 Di II VC PZD

The world's first 18.8x Zoom Lens
with 1:2.9 Macro capability

For terms & conditions, more details and claim back form visit

www.tamron.co.uk

Offer valid from 1st November 2014 - 31st December 2014

Last claim date 31st Jan 2015. Offer only valid from official UK Tamron suppliers.



www.facebook.com/TamronUK

Intro 2020 Ltd. Priors Way, Maidenhead, Berkshire SL6 2HP
Tel: 01628 674411 Email: sales@intro2020.co.uk

TAMRON

Inbox

Email amateurphotographer@timeinc.com and include your full postal address

Write to Inbox, Amateur Photographer, Time Inc. (UK), Blue Fin Building, 110 Southwark Street, London SE1 0SU

LETTER OF THE WEEK

The eye of the beholder

As ever, I appreciated the insightful *Final Analysis* by Roger Hicks (AP 11 October), this time on 'Polyphemus' by Charlie Lemay. This led me to the thought that the title of a photograph can influence the opinion of the person seeing it, whether another photographer, a non-photographer or, perhaps more significantly, a judge.

For instance, when this image is rotated three times through 90°, three different images are obtained that could be entitled 'Rhinceros', 'Mask' or 'Shark'. But what if each different image were left untitled or given a number?

With some photographs, it is essential to give a title to inform or to explain the purpose of the image. However, in some circumstances it may be preferable to annotate an image with a number rather than a name (or simply call it 'Untitled 23', for example). In other words, let the image speak for itself.

This could be seen as a rather soulless way to do things, but at least it would ensure that any emotion engendered by an image would be derived from the mind of the observer alone, rather than from an idea planted by someone else



(unless, of course, this was the photographer's intention in naming an image).

In the case of 'Polyphemus', the reference could be lost on some people for whom the name means nothing, and it's merely a nice picture of a tree trunk. Just a thought!

Geoff Taylor, Mid Glamorgan



Win!

With ultra-fast performance, the new Samsung 16GB EVO SD card, Class 10, Grade 1, offers up to 48MB/sec transfer speed and has a ten-year warranty. www.samsung.com

SAMSUNG

Front-line view

I found James Madelin's *Viewpoint* a little hard to swallow (AP 4 October). I almost agree with his points about camera shops, but I would like to add the following.

I have been working in photo retail for 35 years and the high-street camera shop has evolved dramatically. In the late 1970s, my photo customers had an average age of 50 and knew what they wanted! There were no spotlights, videos playing and staff in polo shirts. The staff wore suits as, after all, a camera shop was just a glorified chemist.

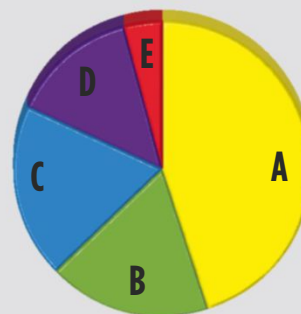
The last photo retailer I worked for, I was a part of a

very successful photo sales team who tried to make customers' visits stress-free. We would try to familiarise ourselves with all our customers, regardless of their level of interest or wealth. Our shop floor was a relaxed with a 'non-confrontational' approach. We gained a large portfolio of customers who just called in, even if they were not shopping that day. We would stay extra hours for people who struggled to get to the shop during our opening times – not just for the business, more as a part of the service. We offered many extras for the goodwill it generated.

Now the negatives. Some

unknown customers did not like us asking what pictures they took, as if we were prying into their personal lives. Some customers did not like the fun factor and would complain that we were not serious about their photography. Some customers didn't like the familiarity we would offer as a part of the service. In fact, I would say that 30% of photo customers would rather buy their gear at a camera shop that's got all the bad points you mentioned in your report! The attitude of this minority would be used to lever compensation or discounts for the misunderstanding or upset.

So, in James's next column, perhaps he could



In AP 25 October, we asked...

Do you think there's a place for instant film in the age of digital?

You answered...

A Yes, it's an enjoyable creative medium that gives you a unique print	45%
B It would be fun for a short while, but isn't something I'd have much use for	18%
C No, it was good once but instant film has had its day. I've no interest in using it now	19%
D It was never any good even in its heyday, and certainly not now	14%
E None of the above	4%

What you said

'Photographers will be all the poorer if they cannot appreciate all the techniques that have been made available'

'I'm sure there's a place for instant film, but whether there are/will be enough willing users to make it commercially viable is the determining factor'

'Of course there's a place for it. We aren't all one homogenised type of digital photographer'

Join the debate on the AP forum

This week we ask

How many of the filters in our guide this week (page 10) do you own and use?

Vote online www.amateurphotographer.co.uk

Guess the date



Win! Every week we post an old AP cover on our Facebook page and all you have to do is guess the issue date (day/month/year). The person who is closest to the exact date wins a year's digital subscription to AP, worth £79.99. To guess the date of this cover (above), head over to www.facebook.com/Amateurphotographer.magazine. Forum members can also enter via the Forum.



The 25 October issue's cover was from 1 December 1920. The winner is Reg Richardson via our Facebook page, who was the first correct entry drawn at random.

➤ impress on customers to respect the professionals working behind the counter, as most of these staff are photographers themselves and only want to share their experiences and advice.

Rob Deyes, East Riding of Yorkshire

Not fair game

I agree there are two sides to every story, but in this case I don't think the photographer accused of harassing Prince George and the agency he works for are doing themselves any favours (*News*, AP 25 October). They clearly admit that Mr Tanna and another photographer have taken covert pictures of the prince and his nanny on two previous occasions at the same location, and by being there again Tanna was clearly intent on doing so again. The fact he didn't is irrelevant. Yes, he was in a public place and therefore he has the right to photograph, but in this instance, when it's a member of the royal family and its household, I would suggest that different rules are in place. Legally, it would appear he's done nothing wrong. However, if you look at the wording of the relevant rules, he's sailing pretty close to the wind.

As for 'the public interest', I would argue there is none. 'Baby with wealthy parents

taken for walk in park by nanny' is a non-story regardless of who those persons are. It's what happens on a daily basis the world over, and just because it's a royal baby doesn't mean it's a public-interest story. Prince William is, and always will be, very mindful of what 'the press' did to his mother and has an absolute right to ensure history does not repeat itself with any member of his family. The same would be true of any child who'd seen a parent treated in this manner.

Did the photographer do anything wrong? Not as such, but he didn't do anything right, either, and anyone who thinks people in the public eye are fair game for covert photography need to step back and have a long hard think about why they consider it to be the right thing to do.

Graham White, via Facebook

We need a standard plate for tripod mounting



I can't imagine what it must be like to be photographed every time you step outside your front door, but while the general public continues to read such stories about celebrities, there will be a demand to get photos to accompany them. Sadly, it is a chicken and egg scenario – Richard Sibley, deputy editor

Standard mount plate

I have an Ex-Pro quick-release bracket fitted to my Nikon camera so I can take portrait and landscape photographs. My tripod is a Hähnel Triad and has a different mount on the top, so I have to fit my Beike head on top of the Triad. This means I have two ball joints. It would be nice if tripod makers could agree on a standard mount plate. I also have to use adjustment screws to fit the parts together.

Adrian Bonnington, Northamptonshire

You aren't the first person to request this, and sadly you won't be the last. We have an assortment of various heads and plates in our stockroom, and it always seems to be the head that you want to use that you can't find a plate for – Richard Sibley, deputy editor

Contact

Amateur Photographer, Time Inc. (UK), Blue Fin Building, 110 Southwark Street, London SE1 0SU
Telephone 0203 148 4138 **Fax** 0203 148 8128
Email amateurphotographer@timeinc.com
Picture returns: **Telephone** 0203 148 4121
Email apicturedesk@timeinc.com

Subscriptions

Email magazinesdirect@quadrantsubs.com
Telephone 0844 848 0848 or +44 (0)330 3330 233 (overseas)
 One year (51 issues) UK £145.55; Europe €259;
 USA \$338.99; Rest of World £221.99.

Test Reports

Contact OTC for copies of AP test reports. **Tel:** 01707 273 773

Advertising

Email mark.rankine@timeinc.com
Classified telephone 0203 148 2929. **Fax:** 0203 148 8158
Display telephone 0203 148 2516. **Fax:** 0203 148 8158
Inserts call Innovator on 0203 148 3710

Editorial team

Group Editor	Nigel Atherton
Group Editor's PA	Christine Lay
Deputy Editor	Richard Sibley
Technical Editor	Andy Westlake
Deputy Technical Editor	Michael Topham
Technical Writer	Jonathan Devo
Technical Writer	Callum McInerney-Riley
Features & Technique Editor	Phil Hall
Senior Features Writer	Oliver Atwell
News Editor	Chris Cheesman
Production Editor	Lesley Upton
Senior Sub Editor	Oliver Cotton
Art Editor	Mark Jacobs
Deputy Art Editor	Sarah Foster
Designer	Antony Green
Studio Manager	Andrew Sydenham
Picture Researcher	Rosie Barratt
Online Manager	Karen Sheard
Online Production Editor	Paul Nuttall
Digital Art Editor	Simon Warren
Digital Production Editor	Jacky Porter
Staff Writer	Jon Stapley
Video Production	James Fenn
Photo-Science Consultant	Professor Robert Newman
Senior contributor	Roger Hicks

Special thanks to **The moderators of the AP website** Andrew Robertson, Fenris Oswin, lisadb, Nick Roberts, The Fat Controller

Advertising

Advertising Director	Mark Rankine	0203 148 2516
Advertisement Manager	Julia Laurence	0203 148 2508
Senior Display Sales Exec	Simon Gerard	0203 148 2510
Sales Executive	Andrew Slizys	0203 148 2637
Sales Executive	Ellie Banks	0203 148 2543
Production Coordinator	James Wise	0203 148 2694

Marketing

Marketing Manager Samantha Blakey 0203 148 4321

Publishing team

Chief Executive Officer	Marcus Rich
Managing Director	Paul Williams
Publishing Director	Alex Robb
Group Magazines Editor	Garry Coward-Williams

Printed in the UK by Polestar Group

Distributed by Marketforce, Blue Fin Building, 110 Southwark Street, London SE1 0SU. **Tel:** 0203 148 3333

All contributions to Amateur Photographer must be original, not copies or duplicated to other publications. The editor reserves the right to shorten or modify any letter or material submitted. Time Inc. (UK) or its associated companies reserves the right to re-use any submission sent to the letters column of Amateur Photographer magazine, in any format or medium, WHETHER PRINTED, ELECTRONIC OR OTHERWISE. Amateur Photographer® is a registered trademark of Time Inc. (UK). © Time Inc. (UK) 2014 Amateur Photographer (Incorporating Photo Technique & Camera Weekly) Email: amateurphotographer@timeinc.com Website: www.amateurphotographer.co.uk Time Inc. switchboard tel: 0203 148 5000 Amateur Photographer is published weekly (51 issues per year) on the Tuesday preceding the cover date by Time Inc. (UK), Blue Fin Building, 110 Southwark Street, London SE1 0SU. Distributed by Marketforce (UK) Ltd, Blue Fin Building, 110 Southwark Street SE1 0SU. ISSN 0002-6840. No part of this publication may be reproduced, stored in a retrieval or transmitted in any format or medium, whether printed, electronic or otherwise, without the prior written permission of the publisher or the editor. This is considered a breach of copyright and action will be taken where this occurs. This magazine must not be lent, sold, hired or otherwise disposed of in a mutilated condition or in any authorised cover by way, or by trade, or annexed to any publication or advertising matter without first obtaining written permission from the publisher. Time Inc. (UK) Ltd does not accept responsibility for loss or damage to unsolicited photographs and manuscripts, and product samples. Time Inc. (UK) reserves the right to use any submissions sent to Amateur Photographer Magazine in any format or medium, including electronic. One-year subscription (51 issues) £145.55 (UK), £259 (Europe), \$338.99 (USA), £221.99 (rest of world). The 2014 US annual DEI subscription price is \$338.99, airfreight and mailing in the USA by named Air Business Ltd, c/o Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd floor, Jamaica, NY 11434, USA. Periodicals postage paid at Jamaica NY 11431. US Postmaster: Send address changes to Amateur Photographer, Air Business Ltd, c/o Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd floor, Jamaica, NY 11434, USA. Subscriptions records are maintained at Time Inc. (UK), Blue Fin Building, 110 Southwark Street, London, SE1 0SU. Air Business Ltd is acting as our mailing agent.



In next week's issue On sale Tuesday 18 November

Breathtaking beauty

We announce the winners of the prestigious Take a view Landscape Photographer of the Year competition 2014



Attack of the drones

Could drones change photography for ever? Read our comprehensive article

Lytro Illum

The new Lytro camera allows you to change the depth of field – after you have captured your image

Olympus Pen E-PL7

We put the latest Olympus micro four thirds camera through its paces

Storage solutions



Photo 2014 - Charles Ricque - PNY Ambassador - All right reserved.

MicroSDHC/XC Elite Performance 100MB/s



Storage for SmartPhones, Tablets PCs and 4K Ultra HD Action Cameras

Dedicated to SmartPhones and Tablets PNY MicroSD™ Elite Performance Flash Cards are optimized for 4K Ultra HD video recording. Store, transfer and share faster your mobile content (app, songs, videos, movies...) on your mobile device.

Class 10 UHS-1 certified and reaching 100MB/s, PNY MicroSD™ Elite Performance Flash Cards are ideal for 4K sport cameras.



Features and Benefits :

- > Class10 - UHS-1
- > Read Speed : up to 100MB/s
- > SD Adapter included
- > RoHS
- > 5 years warranty

Reliability :

- > Operating temperature: -0°C to 60°C
- > Non operating: -40°C to 85°C
- > Storage Humidity: 95% Max non condensing
- > Shock: 1.000G MAX operating
- > 14000G MAX non operating Storage temperature: -20°C to 85°C
- > Nber of insertions: 10 000 minimum
- > Data retention: 10 years
- > Write/erase cycles: 10 000 minimum



NEW

Wireless Media Reader:
Stream, save and share all your photos, videos, music and other files from just one device.
Compatible Apple® and Android™

Learn more on PNY Photo Ambassadors



Available at



A journey through time

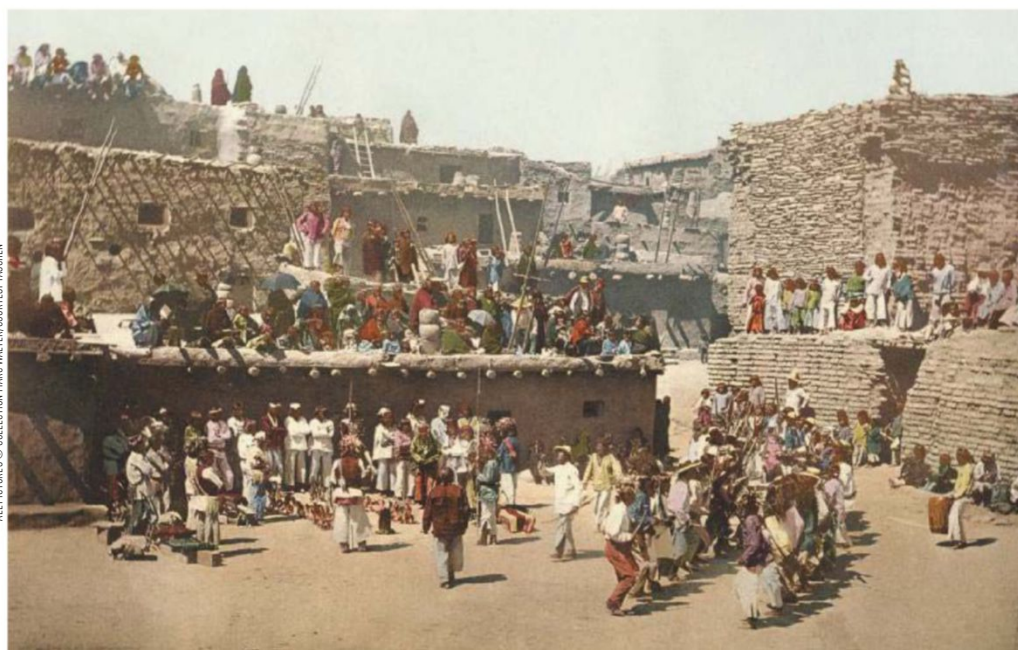
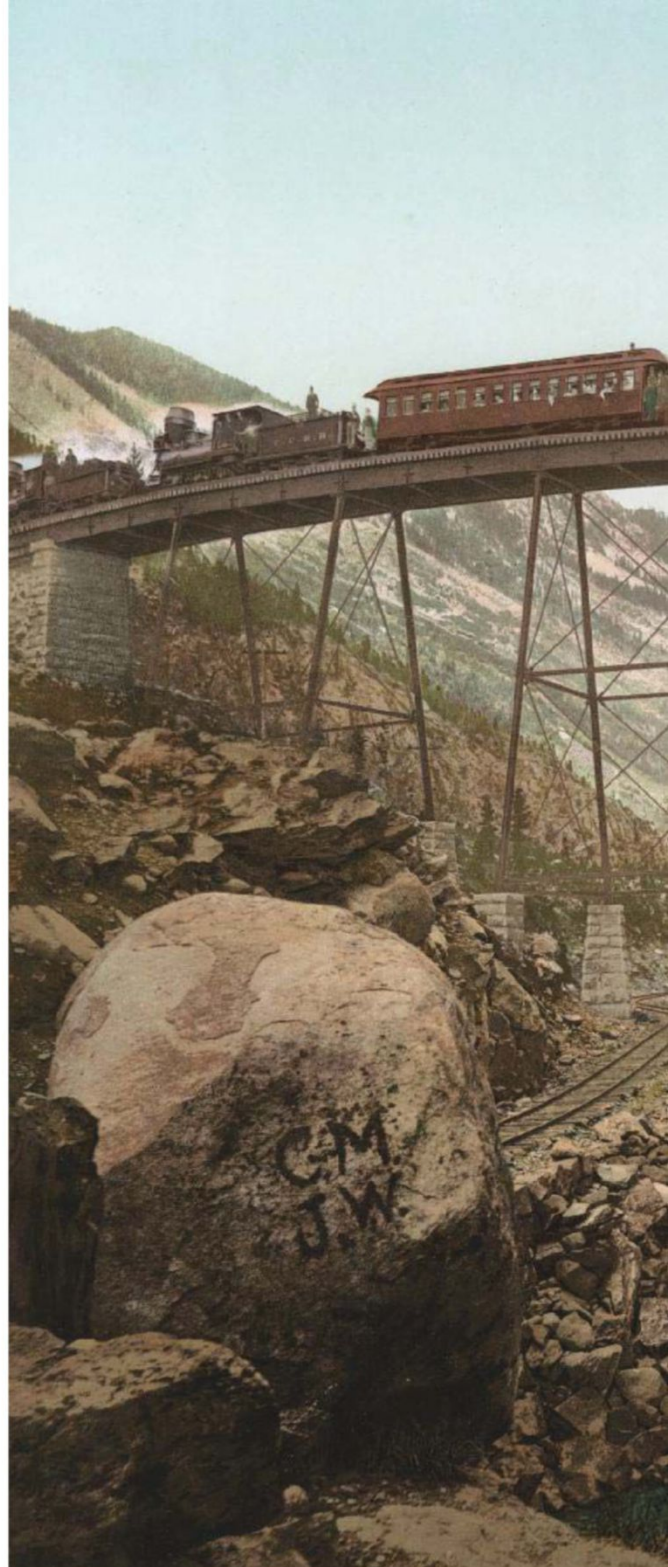
A rediscovered archive of colour images from more than a century ago gives an insight into the cities, landscapes and people of America. **David Clark** reports

Photographs taken a century or more ago can make that period seem strange and remote to modern eyes. Photography's technical limitations put restrictions on what could be recorded, and the resulting black & white or sepia prints, often taken using long exposures with people posed in a stiff and formal way, all help to distance us from the subjects.

However, a collection of rediscovered photographs, dating from 1888-1924, brings that time vividly to life and makes it seem much more accessible. The pictures record America's cities, landscapes and people in sharp detail. Uniquely, many of them are in colour, which gives them a freshness and immediacy that is lacking in faded black & white prints.

A selection of these photographs has been published by Taschen in a new book, *An American Odyssey*. They are from a collection owned by Marc Walter, a Frenchman who has amassed an archive of thousands of vintage images. The vast majority of the pictures in this 600-page, large-format book have not seen the light of day since their initial publication.

The collection includes images of iconic American landmarks, including the Statue of Liberty, Niagara Falls and the Grand Canyon. Often, the images were the first colour photographs of these locations anyone had seen. Other pictures reveal romantic and unspoilt river scenes complete with vintage paddle steamers, or railways cutting through America's remote wide-open spaces. Meanwhile, urban scenes show major cities in states around the country at





Above: William Henry Jackson, Clear Creek Canyon, Georgetown Loop, Colorado



Far left: William Henry Jackson, Zuni Pueblo Indians, the Rain Dance, New Mexico

Left: Anonymous, Seminole Indian family in dugout canoe, Miami River, Florida

an early stage in their development.

Perhaps even more fascinating are the everyday street scenes that capture people in their daily lives. The clarity of these images, together with the addition of colour, transports us back to the world in which they were made.

Detroit Photographic Company

All the pictures in *An American Odyssey* come from the archives of a long-defunct photography business, the Detroit Photochrom Company, later known as Detroit Photographic Company (DPC). It was formed in 1895, although its parent company, Photochrom Co, was founded in Zürich, Switzerland,

in 1889. It was itself an offshoot of the long-established Swiss printing company Orell Füssli.

The Photochrom process pre-dates the Lumière brothers' Autochrome process, invented in 1903, by more than a decade. It was patented in 1888 by Hans Jakob Schmid, one of Orell Füssli's chief lithographers, and involved the direct transfer of photographic negatives onto lithographic printing plates.

As the company realised the commercial potential of the sale of Photochrom images, branches of the company were opened in London, then other major European cities, before the opening of the Detroit branch in the US.



Mulberry Street, New York City

This Photochrom image, made in around 1900, shows Mulberry Street in Manhattan. The streets were lined with market stalls and the overcrowded buildings were mainly occupied by the Italian immigrant community. It's at the centre of the district still known as 'Little Italy' today.

This Photochrom, made from an 8x10in glass negative, is full of fascinating details and would have been one of the more challenging images for chromists to work on. Great trouble has been taken to add individual colours to details such as people's clothing, baskets, street signs, horse-drawn carts and the vegetables on the market stalls. Even the complexions of individual faces among the crowd of curious onlookers have different colours, while the use of paler shades of colour in more distant buildings helps give the feeling of depth. Although areas of the print remain in black & white and the colours added by the chromist wouldn't necessarily have been accurate, they help to bring the scene to life.



Photochroms

Photochroms were an exciting development in the photographic process and they could also be mass-produced at speed. However, as Photochrom expert and *An American Odyssey* co-writer Sabine Arqu  explains, the process is not true colour photography, as the colours were often added many years later.

'Every Photochrom image starts as a black & white negative,' she says. 'The process is actually a mixture of photography and lithography. Each colour required the use of a different lithographic stone... the stone was coated with transparent ink, which was then transferred to photographic printing paper. The inks were mixed one by one and applied by presses finely adjusted to gauge the colour.'

The Photochroms in the book are all dated to between 1895 and 1910, but the black & white negatives were usually made many years earlier. Individual photographers are rarely credited and the actual colours were, in Sabine's words, 'entirely from the imagination of the chromist'.

William Henry Jackson

The main exception to the rule that photographers were not credited and the colours were invented is the work of William Henry Jackson (1843-1942). A veteran of the American Civil War, he was initially a painter who later turned his artistic talents to photography. He dreamed of photographing the landscapes and people he saw in colour and, at the same time as he made the



photographs, he also created colour watercolour sketches.

By the late 1890s he was an established photographer who, at the age of 54, had travelled and photographed widely around the United States. His adventures included exploratory journeys through the Rocky Mountains and the Yellowstone National Park for the US National Geographic Survey, and shooting numerous portraits of Native Americans. However, by 1897 Jackson's business had hit hard times. When approached by the DPC in that year, he readily agreed to the company buying his studio and entire archive of 10,000 negatives.

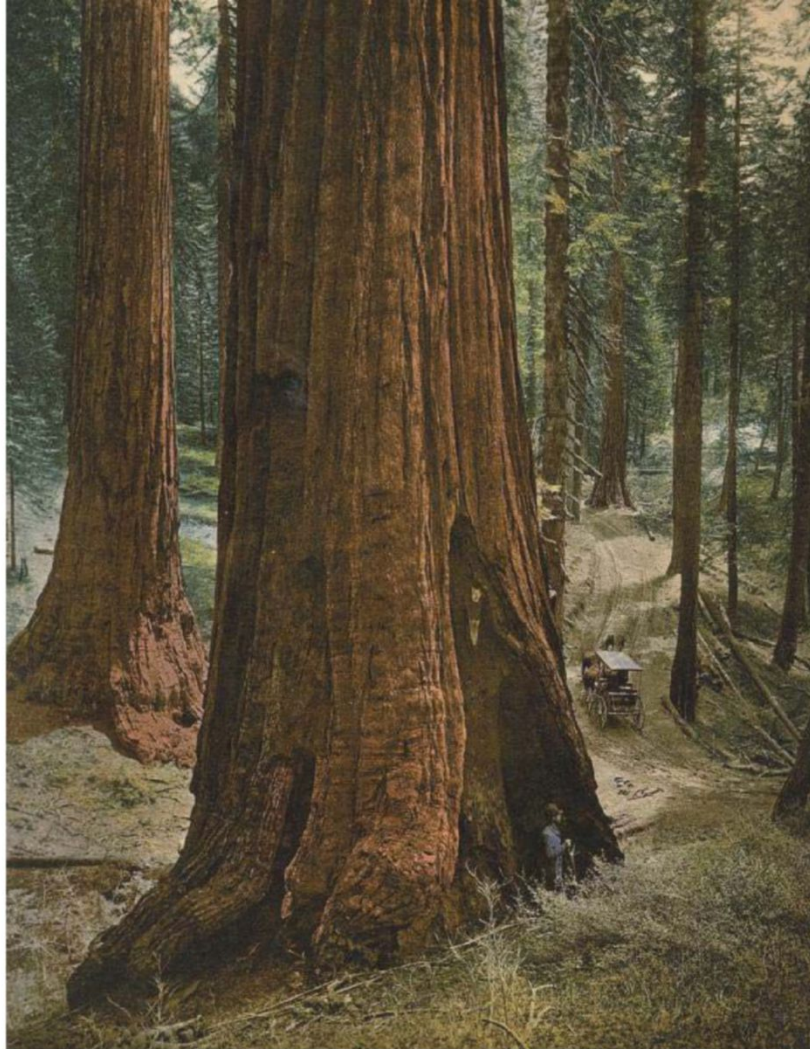
This collection of images became a substantial part of the company's stock. When the



Above: Anonymous, Mulberry Street, New York

Above right: Anonymous, Mariposa Grove, 'Three Graces', Yosemite National Park, California

Right: William Henry Jackson, diving for coins, Bahamas





53522 A MONDAY WASHING, NEW YORK CITY

COPYRIGHT, 1901,
BY DETROIT PHOTOGRAPHIC CO.

chromists later came to add colour to Jackson's images, they were helped in their accuracy by his watercolour sketches. Within five years, Jackson was the head of the DPC and, under his leadership, the number of negatives acquired by the company greatly increased. The company's rate of production was fuelled by the thriving sales of photographic postcards, which began in 1898 when the US government reduced postage stamp prices via the Private Mailing Card Act. The DPC capitalised by making large numbers of Photochrom postcards, which they gave the trade name Phostint.

At the peak of the company's business, it was producing as many as seven million images every year. After 1910, the relatively high cost of producing Photochrom images, plus increased competition, led to the company's decline. Sales were hit hard by the First World War and the post-war depression; finally, in 1924 the company was liquidated and sold its 40,000 glass negatives. Many of them remained unseen in library vaults for decades.

Revival of interest

Thousands of these negatives, together with hundreds of Photochroms, are now in the

Above: Anonymous, sunset from the Battery, New York

Bottom left: William Henry Jackson, Mount Lowe Railway, on the circular bridge, California

American Library of Congress collection in Washington, DC, while others are in libraries and private collections. Marc Walter, whose collection is displayed in *An American Odyssey*, began collecting them more than 30 years ago when he spotted some on a stall in a Paris flea market.

The Photochrom process was, by then, long forgotten and the images had no known value; the flea market stallholder gave them to him as a gift. Intrigued by the images, Walter went on to find out more about the process and gradually bought more and more Photochroms. He now has a collection of around 15,000 images.

During the process of assembling the book and examining Marc Walter's extensive Photochrom collection in close detail, Sabine Arqué has been astonished by the quality of the craftsmanship employed by these forgotten artists in making them.

'It took a huge amount of technical work to create Photochrom images and the chromists who worked on them were highly skilled artists who were precise with so many details,' she says. 'They not only added colours, they also sometimes added details from other negatives, such as people or carriages for example, to complete the images. The work they did was extraordinary.'



An American Odyssey, by Marc Walter and Sabine Arqué, is published in hardback by Taschen. This 612-page, large-format (15.6 x 11.4in) book has a RRP of £135, but is available for around £62 via online booksellers



READY FOR EVERYTHING

CPS – Camera Protection System

The centre of a camera bag is its most vulnerable spot. Manfrotto's CPS provides a thick layer of structured, shock-absorbing core section dividers that safely cushions the equipment you keep at the heart of your Professional bag.

Exo-tough Construction

The outer face of all Manfrotto Professional bags has a rigid and strong multi-layered construction to protect your gear against impact. Backpacks, rollers and shoulder bags have reinforced feet providing even more protection for your equipment.

Exo-Tough
Construction

Camera
Protection
System

Professional Bags

There are no limits to your ambitions with Manfrotto Professional Bags. Thanks to their innovative multi-layered structure and a new special shock-absorbing core, your equipment is always protected against impact or falls. Choose a place and think of a shot: whatever you have in mind, you are ready to catch it.





Part
four

Video masterclass

Audio can make or break a video. **Victoria Grech** reveals what you need to get started

The biggest fear stopping photographers from moving into the video world is audio. If it weren't scary enough to learn how to film on a DSLR, understanding audio is the last roadblock – it can often look quite daunting and trip people up. However, armed with the right knowledge, you will be recording audio like a pro in no time!

The average DSLR has what I call a pin-sized speaker fixed into the front of the camera. While we get excited about having audio on-camera, I am going to explain why I do not use 'on-camera audio' for most of my productions. The audio on older DSLR models often means you do not have any way to monitor the sound levels while you're recording. Why would you need this? Even on an auto setting, sometimes the audio will

peak/clip. Peaking or clipping is like when we blow out the highlights on an image and there isn't a way to bring them back. This is why it is essential to monitor the audio while recording.

You'll find that newer models do have an option to monitor audio, although there are still problems to encounter. While the speaker is so small and multi-directional in coverage, you can often hear every click of the buttons as you press them on the camera. Once I thought I had blown the speaker on my Canon EOS 5D Mark II when I could hear a clicking sound while watching my footage back. It turned out to be the image stabiliser on my 70-200mm lens being activated. This sums up why I always record audio off-camera when filming with DSLRs.

Video mics

Sennheiser and Røde video hotshoe mics are a popular choice for using with your video-enabled camera. I bought one of these and while this does help the quality of the audio, unless you are very close to the subject I find the quality of sound much better using lavalier and shotgun microphones.

This isn't to say that in certain scenarios you can't actually use the on-camera audio – you just have to start to understand how audio works. I use this saying often when I am teaching my workshops... just as a photographer will go into a room and read the light, you have to read the sound in a room.





Quality sound recording is just as important as the movie capture

© ANDREW STILAK



Field recorders are best for audio recording



Field recorders

Once you choose your mic, you then need some way of actually recording the audio. I use a Zoom H4n to plug in my wireless lavalier mics, or pull a feed out of a sound desk. I use my Zoom H1 for ambient additional audio. I can place this on an altar or table for speeches. It's nice to record the ambient sound of, say, a music band and mix that with the main feed from the desk. I find that a band's sound from the desk output alone doesn't actually sound full enough, so I mix the two to improve it. If you are thinking of buying the Zoom H4n, I would buy the newer H6 version as it has a lot more functions and is much easier to use.



A dedicated microphone is a popular choice for use on a DSLR



Accessories

Just as we attach filters to lenses to create different effects, there are a host of accessories available that can attach to your microphone – this is where products from Rycote are my lifesavers.

Rycote is industry-known and one of the best in its field. Although the microphone manufacturers make shock mounts and wind-reduction items their knowledge is in the microphone tech inside, while I believe Rycote's expertise is in audio accessories. Windjammers, or 'dead cats' as some people refer to them in the business, enable you to record audio without the hissing of any wind outside. But a word of warning if you do have cats: keep the Rycote softies well clear, as my cat attacks them



A 'dead cat' is great for shooting on location

thinking they are some kind of bird! Rycote's Windshield is basically the 'Steadicam' of audio. It provides less movement noise and is incredibly durable and tough. I am the first one to hold my hand up and say I don't always take care of my kit due to the rapid shooting situations we face as a team, and both Sennheiser and Rycote are solid, quality brands that I see as an essential investment.

So my advice if you want production-quality audio is to 'read' the audio in the room. I will cover the different types of mic maps, wireless and wired solutions in a future article.

Next month, I will be looking at stabilisation and the dreaded world of manual focusing.

A place in history

René Burri died in October, leaving behind a true legacy of iconic imagery. **Oliver Atwell** pays tribute to a life lived through a lens

What makes a true icon of photography? Perhaps there's no one simple answer, but for some it can be the fact that their images become a part of public consciousness. While the name René Burri may not be a household one, produce a print of his famous Che Guevara portrait, or his striking image of four suited figures on top of a São Paulo skyscraper in Brazil, and you will immediately see just how familiar these images are, even to people with the most cursory knowledge of photographic history.

Magnum photographer Burri, who lived between Zurich and Paris, died in mid-October after battling a long illness. He was aged 81. While the loss is a devastating blow to those who loved his work, it's difficult not to feel comforted looking back at images and video footage of the dapper gentleman, an amiable Swiss fellow who was more often than not to be found dressed in a fedora and scarf.

Burri was born in 1933 and his training in photography began before he'd ever even considered placing his hands on a camera. Burri spent much of his childhood playing on the farm owned by his grandfather. The air would swarm with flies and, to entertain himself, Burri learned to catch them. It was only later that he understood the significance of this: it trained him to be fast when reaching out for things. He developed a lightning-quick photographic instinct that meant he would rarely miss a shot. Of course, he wasn't to know this at the time. In fact,

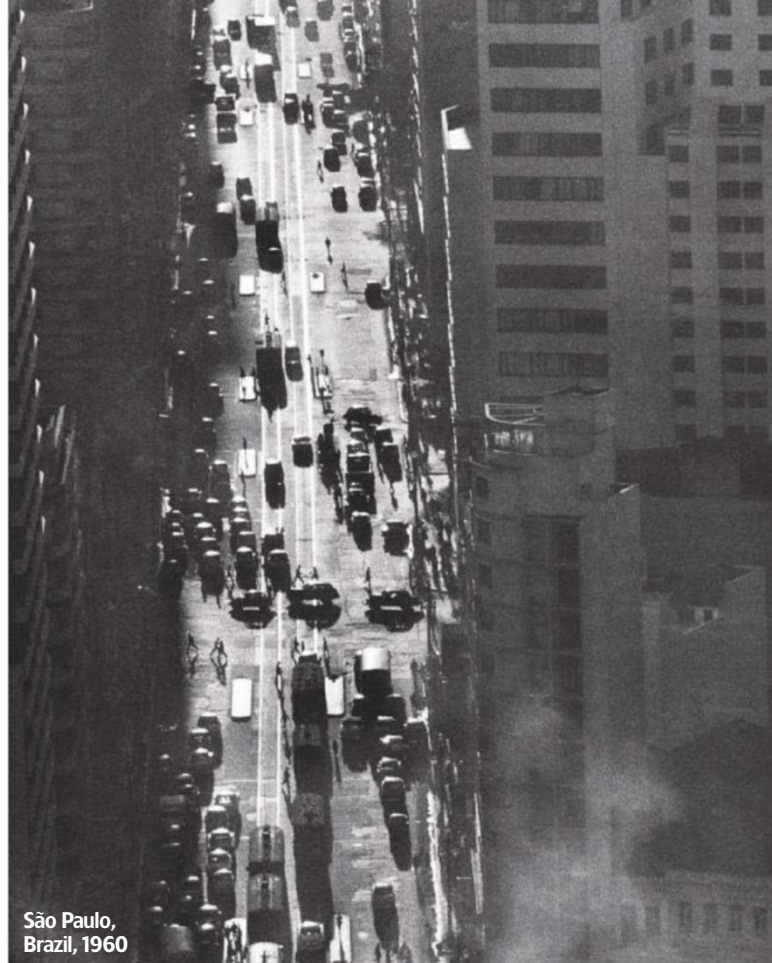
years later when asked to describe his career, Burri said in a typically modest statement, 'Imagine a guy who never wanted to be a photographer but then the circumstances in which he found himself led him more and more towards it.'

Meeting the revolutionary

Burri's talent for image-making was nurtured while studying at Zurich's School of Applied Arts between 1949 and 1953, and immediately following his graduation he worked as a documentary filmmaker while completing military service. Maybe the most significant development during this time was his love affair with Leica cameras, a brand with which he would become synonymous for the rest of his career. Following a job working as a cameraman for Disney, Burri became a member of the Magnum agency, joining the collective as an associate in 1956 and becoming a full member in 1959. In 1982, he was honoured by being elected chair of Magnum France.

It was in 1963 that Burri produced one of his most famous images: his powerful and iconic shot of Che Guevara. The photograph was taken while the revolutionary was being interviewed in Cuba by an American reporter from *Look* magazine. It was, as Burri later recalled, a meeting fraught with tension, and one in which Guevara paced the room like a caged tiger.

'The missile crisis had just happened,' Burri told *Port* magazine in 2013. 'I came in [during the interview with *Look*]. The blinds in the room



São Paulo, Brazil, 1960



El Kantara, Egypt. Army parade for Egyptian President Anwar El Sadat, 1974

'His unrivalled ability to tell stories and entertain us will be part of his legacy'

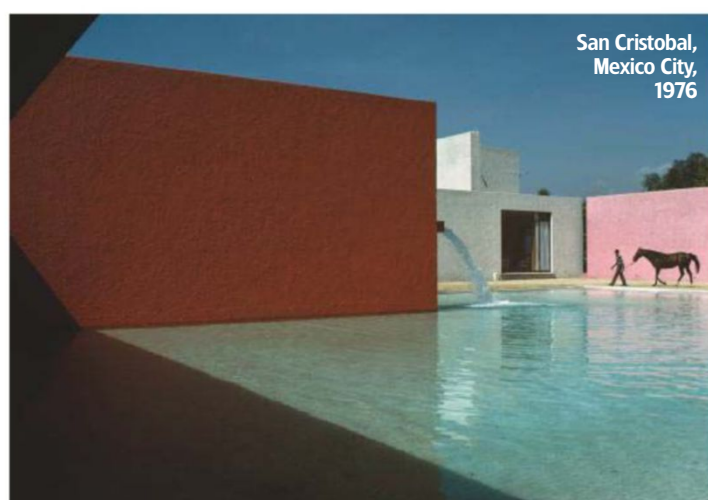
were drawn. I said, "Che, it's a little dark in here. Can I open the blinds?" He said no. I said, "Okay, it's your face, not mine," and I had to change the technical settings on my camera. I started working and danced around him for three hours.

'During this time, he had a fight with the reporter. It was a case of two ideologies clashing. She had a story to tell for her article and he was defending himself. At the same time he was very charming, lighting the reporter's cigarettes and trying to be polite. At other times he was angry and would

bite off another Cuban cigar. Che was dressed in his combat dress and was clearly restless. He wanted to get out of this situation. Two years later, he left and disappeared.'

Burri also recalls that during the whole time he was shooting, even when he was standing only two or three feet away from his subject, Guevara never once looked at the camera. It was only later that Burri learned that Guevara was himself a passionate photographer.

Another of Burri's most famous images is one that, on the surface, seems almost



San Cristobal,
Mexico City,
1976

directed. His photograph of four figures on top of a building in São Paulo could easily have been shot specifically for a fashion or advertising campaign. However, the reality is that the shot was completely candid and came about by chance.

Mystery men

'A German magazine called me and said they'd like to do a story on São Paulo,' recalled Burri in 2013. 'I climbed around everywhere and finally found myself on the roof of one of the highest buildings. At that moment I looked down through one of the telephoto lenses of my cameras and I saw a man on the terrace of a building ahead of me. At that moment

boom, boom, boom – three more figures appeared from nowhere. They go to the edge, look down and that was it. The shot was finished.

'I don't know who the men were. Were they gangsters or bankers? It's especially interesting because of the plunge on the left-hand side of the frame into the city below. After its publication the image was used in books and films. It became iconic and just sort of snowballed.'

Enduring appeal

Burri's legacy cannot be overstated. He was considered very early on to be a true master of photography, publishing brilliant photo stories in the



Che Guevara,
Cuba, 1963

ALL PICTURES © RENÉ BURRI/MAGNUM PHOTOS



Florida,
USA,
1966



A prostitute
standing at
the entrance
to a brothel,
frequented
by GIs in
Vietnam, 1973

Swiss magazine *Du*, which included work on gauchos and the Brazilian state of Bahia, and more recently an issue was illustrated with his collages. Another story that qualifies him to be counted among the most important figures of this century's photographic history is his research on Germany and the Germans after the Second World War in his book *Die Deutschen*. Burri also recently published a beautiful collection of little-seen colour work called *Impossible Reminiscences*.

Upon learning of Burri's death, president of Magnum Photos Martin Parr said, 'Not only was he one of the great post-war photographers, he was also one of the most generous people I have had the privilege to meet. His contribution to Magnum and his unrivalled ability to tell stories and entertain us over this time will be part of his enormous legacy.'

AP



If you'd like to view a wide selection of René Burri's work, visit www.magnumphotos.com

Grays of Westminster®

Exclusively... **Nikon**



Nikon D750

MOVE UP TO A Nikon

FREE BILLINGHAM HADLEY
PRO BAG WITH EVERY NEW
Nikon Df CAMERA

SPECIAL OFFER



Only 10 bags available!

Grays of Westminster are pleased to announce a very exciting new offer from Nikon. You will receive a free Billingham Hadley Pro bag worth £190.00 when you buy a Nikon Df body only or a Df special edition kit.

There are only 10 of these Billingham Hadley Pro bags available. First come, first served. Hurry to avoid disappointment! Call us now on
☎ 020 7828 4925

**0% OR LOW
INTEREST
FINANCE**

No deposit Required
☎ 020-7828 4925
For full details



NIKON DIGITAL CAMERAS

Nikon D4S SLR body...	£5,099.00
Nikon D4S + AF-S 14-24mm f/2.8G IF-ED Kit...	£6,275.00
Nikon D4S + AF-S 24-70mm f/2.8G IF-ED Kit...	£6,195.00
Nikon D4S + AF-S 14-24mm & 24-70mm f/2.8G Kit...	£7,495.00
Nikon D810 SLR body...	£2,399.00
Nikon D810 + MB-D12 Grip Kit...	£2,885.00
Nikon D810 + AF-S 14-24mm f/2.8G ED Nikkor...	£3,599.00
Nikon D810 + AF-S 24-70mm f/2.8G ED Nikkor...	£3,549.00
Nikon D810 + AF-S 14-24mm f/2.8G & AF-S 24-70mm f/2.8G ED Nikkor Kit...	£4,825.00
Nikon MB-D12 Grip for D810...	£285.00
Nikon D750 SLR body...	£1,799.00
Nikon D750 + MB-D16 Grip Kit...	£1,949.00
Nikon D750 + AF-S 24-85mm f/3.5-4.5G ED VR Kit...	£2,249.00
Nikon D750 + AF-S 24-120mm f/4G ED VR Kit...	£2,349.00
MB-D16 Grip for D750...	£280.00
Nikon D610 SLR body...	£1,325.00
Nikon D610 + MB-D14 Grip Kit...	£1,515.00
Nikon D610 + AF-S 24-85mm f/3.5-4.5G ED VR Nikkor...	£1,745.00
MB-D14 Grip for D610...	£195.00
Nikon D7100 SLR body...	£799.00
Nikon D7100 + MB-D15 Grip Kit...	£1,059.00
Nikon D7100 + 18-105mm f/3.5-5.6G VR DX IF-ED Kit...	£935.00
Nikon D7000 SLR body...	£579.00
Nikon D7000 + 18-105mm f/3.5-5.6G VR DX IF-ED Kit...	£699.00
Nikon D7000 + 18-200mm f/3.5-5.6G VR II DX IF-ED Kit...	£1,159.00
Nikon D7000 + MB-D11 Kit...	£789.00
Nikon D5300 SLR body...	£535.00
Nikon D5300 + AF-S 18-55mm f/3.5-5.6G VR DX Kit...	£595.00
Nikon D5300 + AF-S 18-140mm f/3.5-5.6G VR DX Kit...	£835.00
Nikon D5200 DSLR body...	£425.00
Nikon D5200 + AF-S 18-55mm f/3.5-5.6G VR DX Kit...	£485.00
Nikon D3300 SLR body...	£349.00
Nikon D3300 + AF-S 18-55mm f/3.5-5.6G VR DX Kit...	£415.00
Nikon D3200 SLR body...	£279.00
Nikon D3200 + 18-55mm f/3.5-5.6G VR DX Kit...	£339.00
Nikon Df + AF-S 50mm f/1.8G Special Edition...	£2,225.00
Nikon Df SLR body, chrome or black finish...	£2,145.00

NIKON 1 SYSTEM

Nikon 1 V2 10-30mm Kit...	£659.00
Nikon 1 V2 10-30mm & 30-110mm Twin Kit...	£799.00
Nikon 1 S1 11-27.5mm Kit...	£475.00
Nikon 1 S1 11-27.5mm & 30-110mm Kit...	£595.00
Nikon 1 AW1 + 11-27.5mm f/3.5-5.6...	£749.00
Nikon 1 AW1 + 11-27.5mm f/3.5-5.6 + 10mm f/2.8...	£949.00
Nikkor VR 6.7-13mm f/3.5-5.6...	£425.00
Nikkor VR 11-27.5mm f/3.5-5.6...	£169.00
Nikkor VR 10-30mm f/3.5-5.6...	£145.00
Nikkor VR 30-110mm f/3.8-5.5...	£179.00
Nikkor 10mm f/2.8...	£179.00
1 Nikkor AW 10mm f/2.8...	£299.00
Nikkor 18.5mm f/1.8...	£179.00
Nikkor VR 10-100mm f/4.5-5.6 PD-Zoom...	£545.00
Nikon SB-N7 Speedlight...	£139.00
Nikon GP-N100 GPS Unit...	£99.00
Mount adapter FT1...	£199.00

NIKON COOLPIX

Nikon Coolpix A...	£849.00
Nikon Coolpix P7800...	£499.00

AF-S & AF DX NIKKOR LENSES

10.5mm f/2.8G AF DX ED Fisheye...	£545.00
AF-S 35mm f/1.8G DX...	£149.00
AF-S 10-24mm f/3.5-4.5G IF-ED DX...	£639.00
AF-S 12-24mm f/4G IF-ED DX...	£829.00
AF-S 16-85mm f/3.5-5.6G ED VR DX...	£439.00
AF-S 17-55mm f/2.8G DX IF-ED...	£1,049.00
AF-S 18-55mm f/3.5-5.6G VR ED DX...	£145.00
AF-S 18-55mm f/3.5-5.6G VR II ED DX...	£199.00
AF-S 18-105mm f/3.5-5.6G VR DX IF-ED...	£209.00
AF-S 18-140mm f/3.5-5.6G VR DX ED...	£449.00
AF-S 18-200mm f/3.5-5.6G VR II DX IF-ED...	£585.00
AF-S 18-300mm f/3.5-5.6G ED VR DX...	£675.00
AF-S 18-300mm f/3.5-6.3G ED VR DX...	£629.00
AF-S 55-200mm f/4.5-5.6G VR DX IF-ED...	£245.00
AF-S 55-300mm f/4.5-5.6G DX VR...	£279.00

AF FX NIKKOR LENSES

14mm f/2.8D AF ED...	£1,219.00
16mm f/2.8D AF Fisheye...	£819.00
20mm f/2.8D AF...	£465.00
24mm f/2.8D AF...	£369.00
28mm f/2.8D AF...	£245.00
35mm f/2D AF...	£255.00
50mm f/1.8D AF...	£109.00

50mm f/1.4D AF...	£235.00
85mm f/1.8D AF...	£299.00
105mm f/2D AF-DC...	£799.00
135mm f/2D AF-DC...	£1,025.00
180mm f/2.8D AF IF-ED...	£695.00

AF-S FX SILENT WAVE NIKKOR LENSES

AF-S 20mm f/1.8G ED...	£679.00
AF-S 24mm f/1.4G ED...	£1,469.00
AF-S 20mm f/1.8G ED...	£679.00
AF-S 24mm f/1.4G ED...	£1,469.00
AF-S 28mm f/1.8G ED...	£499.00
AF-S 35mm f/1.4G...	£1,299.00
AF-S 35mm f/1.8G ED...	£449.00
AF-S 50mm f/1.4G IF...	£275.00
AF-S 50mm f/1.8G IF...	£149.00
AF-S 58mm f/1.4G...	£1,395.00
AF-S 85mm f/1.8G...	£379.00
AF-S 85mm f/1.4G...	£1,179.00
AF-S 14-24mm f/2.8G IF-ED...	£1,310.00
AF-S 16-35mm f/4G ED VR...	£829.00
AF-S 17-35mm f/2.8D IF-ED...	£1,425.00
AF-S 18-35mm f/3.5-4.5G...	£519.00
AF-S 24-70mm f/2.8G IF-ED...	£1,235.00
AF-S 24-85mm f/3.5-4.5G ED VR...	£405.00
AF-S 24-120mm f/4G ED VR...	£799.00
AF-S 28-300mm f/3.5-5.6G ED VR...	£649.00
AF-S 70-200mm f/2.8G VR II IF-ED...	£1,589.00
AF-S 70-200mm f/4G VR IF-ED...	£949.00
AF-S 70-300mm f/4.5-5.6G VR IF-ED...	£435.00
F-S 80-400mm f/4.5-5.6G VR ED...	£1,899.00
AF-S 200-400mm f/4G VR II IF-ED...	£4,879.00
AF-S 200mm f/2G VR II IF-ED...	£4,099.00
AF-S 300mm f/4D IF-ED...	£1,029.00
AF-S 300mm f/2.8G VR II IF-ED...	£4,039.00
AF-S 400mm f/2.8G VR IF-ED...	£6,595.00
AF-S 400mm f/2.8E VR FL ED...	£10,399.00
AF-S 500mm f/4G VR IF-ED...	£5,845.00
AF-S 600mm f/4G VR IF-ED...	£7,050.00
AF-S 800mm f/5.6E VR FL ED (inc. TC800-1.25E ED teleconverter)...	£13,955.00

TC-14E II 1.4x teleconverter...	£299.00
TC-14E III 1.4x teleconverter...	£449.00
TC-17E II 1.7x teleconverter...	£309.00
TC-20E III 2x teleconverter...	£389.00

AF & AF-S MICRO-NIKKOR LENSES

AF-S 40mm f/2.8G DX Micro...	£185.00
60mm f/2.8D Micro...	£365.00
AF-S 60mm f/2.8G ED Micro...	£385.00
AF-S 85mm f/3.5G VR DX IF-ED Micro...	£375.00
AF-S 105mm f/2.8G AF-S VR Micro IF-ED...	£619.00
200mm f/4D AF Micro IF-ED...	£1,195.00

NIKON SPEEDLIGHTS

SB-910 Speedlight...	£335.00
SB-700 Speedlight...	£229.00
SB-500 Speedlight...	£199.00
SB-300 Speedlight...	£119.00
SB-R1C1 Close-Up Commander Kit...	£559.00
SB-R1 Close-Up Remote Kit...	£399.00
SU-800 Wireless Speedlight Commander...	£269.00
SB-R200 Wireless Remote Speedlight...	£159.00

MANUAL FOCUS NIKKOR AIS LENSES

20mm f/2.8 Nikkor...	£901.00
24mm f/2.8 Nikkor...	£608.00
28mm f/2.8 Nikkor...	£615.00
35mm f/1.4 Nikkor...	£1,227.00
45mm f/2.8P Nikkor, chrome...	£325.00
50mm f/1.4 Nikkor...	£597.00
50mm f/1.2 Nikkor...	£743.00

ZOOM-NIKKOR MANUAL AIS LENSES

28-85mm f/3.5-4.5 Zoom-Nikkor...	£599.00
----------------------------------	---------

SPECIAL PURPOSE: PERSPECTIVE CONTROL AND MICRO-NIKKOR LENSES

24mm f/3.5D PC-E ED Nikkor...	£1,455.00
28mm f/3.5 PC Nikkor...	£1,195.00
45mm f/2.8D ED PC-E Nikkor...	£1,395.00
55mm f/2.8 Micro-Nikkor...	£541.00
85mm f/2.8D ED PC-E Nikkor...	£1,275.00
105mm f/2.8 Micro-Nikkor...	£1,047.00
200mm f/4 Micro-Nikkor...	£895.00

PC: Perspective Control, PC-E: Tilt/Shift-Perspective Control

Prices include 20% VAT. Prices Subject to Change. E.&O.E.

TO ORDER TELEPHONE 020-7828 4925

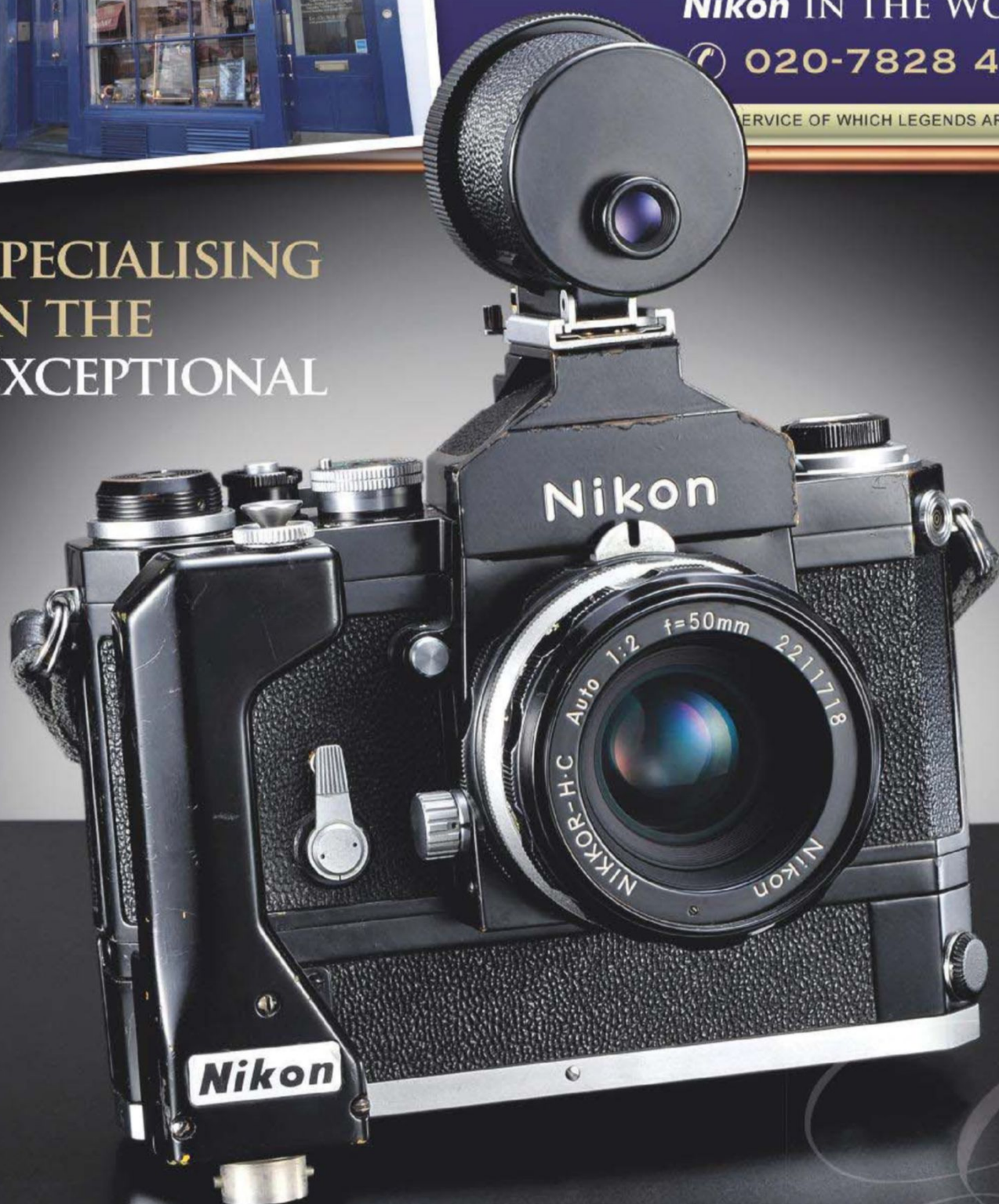


PROBABLY THE WIDEST RANGE
OF NEW & SECOND-HAND
Nikon IN THE WORLD

☎ 020-7828 4925

SERVICE OF WHICH LEGENDS ARE MADE

SPECIALISING
IN THE
EXCEPTIONAL



THE NIKON F HIGH SPEED SAPPORO CAMERA

In late 1971 the Nikon F High Speed camera was released. This motor drive permitted shooting up to seven frames per second (fps) and controlled by a button on the front switch unit; the reflex viewing mirror must be in the lock-up position and only shutter speeds 1/250 to 1/1000 sec. can be used. Shooting rates of two to four fps and single frame are governed by a second button at the rear of the unit. At two fps, permissible shutter speeds are 1/8 to 1/1000 sec.. At three and four fps, speeds are 1/125 to 1/1000. The Nikon F High Speed 7 fps was supplied with an optical zoom viewfinder which had a range of 135-300mm. Accessories include a battery pack, power cord and eye-level finder with an accessory shoe. The 7 fps version was Nikon's first High Speed Camera and was used at the Winter XI Olympic Winter Games held from 3rd to 13th February 1972 in Sapporo, Hokkaido, Japan. Amongst collectors it has become known as the Nikon F High Speed Sapporo. According to our research, only 54 examples of this camera were made, making it one of the rarest and most desirable of all Nikon cameras.

EVEN IF YOUR SUBJECT IS UNPREDICTABLE YOU CAN STILL RELY ON US!

20% OFF

TO CELEBRATE THE LAUNCH OF
**Amateur
Photographer
Insurance Services**
all new policies taken out before
midnight 31.12.14 will receive a
20% discount



Insure your camera and accessories today against theft and accidental damage

Our flexible cover allows you to build your policy to meet your needs. Cover includes:

- Options for up to £25k worth of cover
- Up to £1m optional Public Liability cover
- The option to protect your equipment when it is in your vehicle
- A choice of UK, EU and Worldwide cover
- Up to £1k worth of equipment hire whilst waiting on replacement in the event of a claim

**Amateur
Photographer**
Insurance Services

Call now 0844 249 1902

Mon to Fri 9am to 6pm

or visit www.amateurphotographerinsurance.co.uk

Amateur Photographer Insurance Services is a trading style of Thistle Insurance Services Ltd. Lloyd's Broker. Authorised and regulated by the Financial Conduct Authority. A JLT Group company. Registered office: The St Botolph Building, 138 Houndsditch, London EC3A 7AW. Registered in England No 00338645, VAT No. 244 2321 96. Time Inc. (UK) Limited are an Appointed Representative of Thistle Insurance Services Ltd.



Appraisal

Expert advice and tips on improving your photography from **Damien Demolder**

Beach volleyball, Split, Croatia

Ivan Galic

Canon EOS 450D, 50mm, 1/1000sec at f/2.8, ISO 100



AFTER



BEFORE

IF EVER there were a sport popular for the wrong reasons it is women's beach volleyball! Ivan has made a cracking attempt at capturing the action of the sport here, though,

and I love the basic premise of the image – golden tans stretching up against a cool blue sky. The two players are coming together for the clash, and we are left guessing who will come out on top. It's a good moment.

What isn't quite so good is that the basic ideas of the image are somewhat undone by the collision between the girl on the left and the lighting pole in the background. The interaction with the pole renders her outline, shape and

actions less clear. And it seems strange to allow the ball to be cut off at the top of the frame.

I know Ivan couldn't move the lighting pole, but he could have composed to ensure it either didn't appear or that it was separate from the players. This would have required a different angle, either to the left or the right of his original shooting position. He may have found that had he gone to the other end of the net there would be no poles in the background –

or red-and-white entry barriers. This is one of the principal things we consider when choosing a good shooting position – what is in the background, and how do I avoid/get rid of it?

So you can see what I'm moaning about, I've mocked up a version that has all the ball in the frame (shot with a slightly wider lens), and with the girls framed against that lovely plain blue sky and no distractions. The changes make a big difference.



Win! Send up to six prints, slides or images on CD (include the original files from the camera along with your versions on the CD). Tell us about the pictures and include details of equipment used and exposure settings. Send your images to *Appraisal* at the address on page 3. Enclose an SAE if you want them returned. The picture of the week will receive a year's digital subscription to AP worth £79.99

Submit your images

Please see the 'Send us your pictures' section on page 3 for details or visit www.amateurphotographer.co.uk

Dawn sky

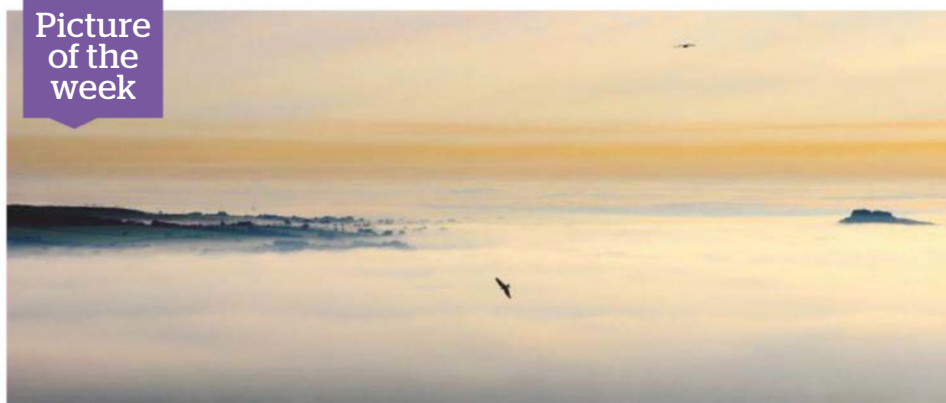
Andrew Clayborough

Canon EOS 600D, 28-135mm, 1/400sec at f/9, ISO 100

I GENERALLY believe that if an image doesn't adhere to proportions that I recognise as traditionally photographic, such as 6x4in, 7x5in or 10x8in, it feels uncomfortable and the composition won't work. I think we get distracted by unusual frame proportions, which can prevent us from enjoying the subject matter.

Andrew has sent in a picture that expressly confounds that rule by being an absolute delight to look at – even though the 5x2 edge proportions of the frame relate to none that I can think of. Instinctively, I tried to crop it to other more 'known' panoramic formats, with 6x17cm first, then 16x9cm and even 6x12cm, but none of them worked as nicely as Andrew's

Picture
of the
week



own arbitrary width and height choices.

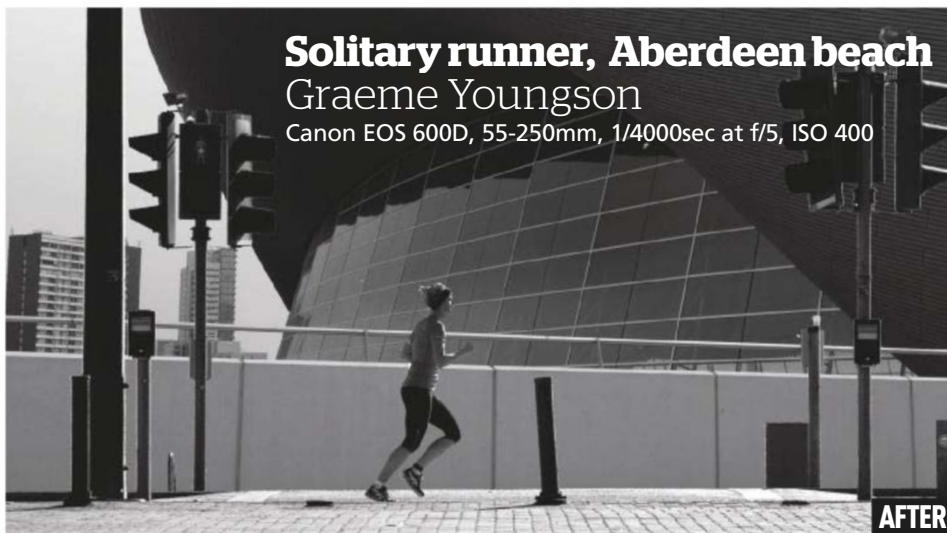
Of course, it isn't just the edges that work for me. The idea of a hilltop popping through the morning mist is not new, but Andrew brings us something extra with the birds soaring (in silhouette!) above the scene. In fact, although

the landscape is lovely, and the sky and mist a very nice colour, one might feel that it is the birds that are the subject, and what was originally intended as the subject has become an attractive backdrop. This stunning image wins my picture of the week award. Well done.

Solitary runner, Aberdeen beach

Graeme Youngson

Canon EOS 600D, 55-250mm, 1/4000sec at f/5, ISO 400



I'M A big fan of silhouettes in street photography (actually, in all types of image) as the hard contrast between the blacks of the subject and its background acts as a powerful draw to the eye. The clear-edged silhouette is also a great way to show the shape of something, as we don't get distracted by details – the simplicity of an image that is only about shapes is generally pleasing and quick to get its message across.

Here, Graeme presents us with a collection of powerful silhouettes that immediately caught my eye, but like the supermarket special offer that takes you a second or two to realise isn't actually a good deal at all, looking longer at the image rather took the edge off my enjoyment. I like the idea, obviously, as it caught my eye, but a split second later I realised that the only reason the objects in the scene stand out is

because they look as if they have been cut out and placed on a white background.

In actual fact, the image doesn't work with a completely plain background, as it simply doesn't appear natural or believable. The only situation in which we might experience this tonal occurrence would be if the subject were running along the ridge of a hill or a cliff edge. I checked where Graeme took this shot and the path is raised and does look out to sea, but there would at least have been some detail in the distance or the sky. If Graeme has cut the subject out, he has done a good job, but I think the background has been burned out in software or the detail cloned away. Either way, it is empty.

Even with a plain brick wall added, the image becomes more believable, but what it needs is its true background. When I dropped Graeme's image onto a picture of the outside of a swimming pool, the front lighting on the runner makes her stand out enough that we know she is the subject, so I can't think that the original background, which would have been reasonably plain anyway, would take our eye from the subject so much that it needed to be culled.

The moral of the story is that you can't just wipe out the background in your pictures. It looks wrong. You have to use composition and camera techniques to make your images work.



Damien Demolder is a photographer, journalist and photographic equipment expert, speaker, judge and educator. He has worked in the photographic publishing industry for 17 years, including 15 years at *Amateur Photographer*. He uses a wide range of equipment, from wooden plate cameras to the latest DSLRs, and is a great fan of all products that make good photography more accessible to more people

TIFFEN VARIABLE 2 TO 8 STOP FILTER

"TAKING YOUR PHOTOGRAPHY AND VIDEOGRAPHY TO THE NEXT LEVEL"

AVAILABLE IN SIZES 52 TO 82MM
STARTING FROM £84*

- PROVIDES 2 TO 8 STOPS OF LIGHT CONTROL
- INCREASE DEPTH OF FIELD WHEN SHOOTING VIDEO
- THIN PROFILE RING - 9MM
- WIDER OUTER OPTIC TO HELP REDUCE VIGNETTING ON WIDE ANGLE LENSES
- MADE WITH HIGH QUALITY WATER WHITE GLASS USING TIFFEN'S COLORCORE TECHNOLOGY
- MADE IN USA

*Prices correct at time of printing and include 20% VAT.

AVAILABLE TO BUY FROM

Picture taken by Guy Thatcher from Hirecamera on Pentax 645Z with PENTAX-D FA645 55mm F2.8 AL using the Tiffen 77mm Variable ND
Tiffen International Ltd | Pinewood Studios | Pinewood Road | Iwer Heath | SL0 0NH | Tel: +44 (0) 1753 783 960 | Web: www.tiffen.com

ORDER FORM

Complete this coupon and send to:

**FREEPOST RTKA-YLJG-HAAK, Time Inc. (UK) Ltd, Rockwood House,
9-16 Perrymount Road, HAYWARDS HEATH, RH16 3DH**

(NO STAMP NEEDED - UK ONLY)

YES! I would like to subscribe to Amateur Photographer

Please tick your preferred payment method

- ☐ **Pay only £20.49 per quarter by Direct Debit, saving 43% on the full price of £36.39**
- ☐ **1 year Cheque/Cash/Credit or Debit Card (51 issues), pay only £87.99, saving 39%
(full price £145.55)**
- ☐ **2 year Cheque/Cash/Credit or Debit Card (102 issues), pay only £164.99, saving 43%
(full price £291.10)**

Your details

Mr/Mrs/Ms/Miss: Forename:

Surname:

If you would like to receive emails from Amateur Photographer and Time Inc. (UK) Ltd containing news, special offers, product and service information and, occasionally, take part in our magazine research via email, please include your email below.

Email:

Address:

Postcode:

Home Tel No: (inc. area code)

If you would like to receive messages from Amateur Photographer and Time Inc. (UK) Ltd containing news, special offers, product and service information and, occasionally, take part in our magazine research via your mobile, please include your mobile phone number below.

Mobile No.

Date of Birth: DD MM YYYY

I would like to send a gift to:

Please also fill out 'Your Details' opposite. To give more than one subscription, please supply address details on a separate sheet.

Mr/Mrs/Ms/Miss: Forename:

Surname:

Address:

Postcode:

Choose from 3 easy ways to pay:

1. I enclose a cheque/postal order made payable to Time Inc. (UK) Ltd., for £

2. Please debit £ from my: ☐ Visa ☐ Visa Debit ☐ MasterCard ☐ Amex ☐ Maestro

Card No:

Start Date (Maestro only): Issue No. (Maestro only): Expiry Date:

MM YY JJ JJ MM YY

Signature: Date:

(I am over 18)

3. Pay only £20.49 per quarter by Direct Debit (UK only)

Instruction to your Bank or Building Society to pay by Direct Debit
For office use only. Originator's reference - 764 221



Name of Bank:

Address:

Postcode:

Account Name:

Sort Code:

Account No:

Please pay Time Inc. (UK) Ltd. Direct Debits from the account detailed on this instruction subject to the safeguards assured by the Direct Debit Guarantee. I understand that this instruction may remain with Time Inc. (UK) Ltd. and if so, details will be passed electronically to my Bank or Building Society.

Signature: (I am over 18)

Date:

Offer open to new UK subscribers only. **Final closing date for all orders is 2nd February 2015.** Orders purchased as a gift before the 12th December 2014 will start with the February 2015 issue published in January. All weekly titles will begin with the first available issue in January. All gift orders purchased after this date will begin with the first available issue.

Orders purchased for yourself will start with the next available issue - please allow up to 6 weeks for UK delivery, 8 weeks for overseas orders. The free digital version can be withdrawn at anytime during the subscription period. Direct Debit offer is available to UK subscribers only. The full subscription rate is for 1 year (51 issues) and includes postage and packaging. If the magazine ordered changes frequency per annum, we will honour the number of issues paid for, not the term of the subscription. **For enquiries and overseas rates contact magazinesdirect@quadrantsubs.com or call +44 330 333 0233.** Amateur Photographer, published by Time Inc. (UK) Ltd, will collect your personal information to process your order. Amateur Photographer and Time Inc. (UK) Ltd would like to contact you by post or telephone to promote and ask your opinion on our magazines and services. Please tick here if you prefer not to hear from Time Inc. (UK) Ltd ☐. Time Inc. (UK) Ltd may occasionally pass your details to carefully selected organisations so that they can contact you by telephone or post with regards to promoting and researching their products and services. Please tick here if you prefer not to be contacted ☐. Time Inc. (UK) Ltd who publish Amateur Photographer would like to send messages to your mobile with offers from carefully selected organisations and brands, promoting and researching their products and services. If you want to receive messages please tick here ☐. Time Inc. (UK) Ltd would like to email you with offers from carefully selected organisations and brands, promoting and researching their products and services. If you want to receive these messages please tick here ☐.



*A Christmas card will be sent to all gift orders received by 12th December 2014 (either by email or post) so that you can send it on to the recipient before Christmas.

If you supply an email address your order will be acknowledged by email and you will be given the option to download a Christmas card or request one by post. If you do not supply an email address you will automatically be sent a postal Christmas card.

CODE: CDF4

The perfect Christmas gift from £20.49



0844 848 0848

Quote code: CDF4

7 days a week from 8am to 9pm (UK time)



Save up to 43%

Treat yourself or a loved one to a magazine subscription this Christmas

- **Go digital, it's free** – Every subscription comes complete with a free trial digital version – for iPad and iPhone. Digital-only subscriptions are also available; visit magazinesdirect.com for the range of titles and offers.
- **FREE Christmas Card** to give to your friend or family member to announce their gift*
- **Convenient home delivery** on all magazine subscriptions



Hurry! Order your magazine today and get Christmas all wrapped up!



Subscribe online at

magazinesdirect.com/cdf4



**Complete
the coupon
opposite**

Accessories

Useful gadgets to enhance your photography, from phones to filters...

Lomography Petzval Art lens

£459 (Brass) • shop.lomography.com

Lomography and Zenit have combined to resurrect an 85mm art lens from 1840.

Jon Devo tests out its unique properties



At a glance

- Classically styled with brass metal construction based on 1840 lens design
- Canon EF and Nikon F mounts available, compatible with film and digital cameras
- Unique swirly bokeh effect

CONSTRUCTED from brass and glass, the special properties of the Petzval Art lens enable photographers and filmmakers to capture images with a truly unique look. Subjects or focal points in the centre of the lens appear in focus, while the out-of-focus areas have a dreamlike, swirling quality to them. This effect is most pronounced when using a wide aperture to create a shallow depth of field.

As there are no electronic contacts in the Petzval lens, the aperture setting must be changed manually using Waterhouse aperture plates. A set of regular circular f/2.2 to f/16 plates are provided in the box, while additional creative sets can be bought directly from Lomography – or you can make your own.

The Petzval has an image circle of 44mm and a 30° field of view, which is most suitable for full-frame sensors. Out-of-focus highlights in images, known as bokeh, mimic the design of the aperture plate, so if you create a heart-shaped plate, for example, your bokeh will be rendered as hearts. Focusing must also be performed manually using the Petzval's focusing wheel, which has a smooth turning function, although it can be a little tough to know exactly when your focus is spot on.

Verdict

At its release price of £459 (or £549 for the black version), this lens will appeal to a limited audience. That said, if you can afford it, this is a unique lens that creates some great effects and is fun to use.

Portrait

The 85mm focal length, minimum focusing distance of 1m and swirling background effects make the lens ideal for taking portraits.

Vintage design

Lomography and Zenit have combined to create this new brass Petzval Art lens, based on a design created in Vienna, Austria, in 1840.

Manual control

There are no electronic contacts inside the Petzval lens, so aperture and focusing must be changed manually.



Amateur
Photographer
Testbench
★★★★

Out now

Expert reviews of the latest kit to look out for

Tom Bihn Empire Builder Briefcase and Camera I-O

● \$300 (around £187) ● www.tombihn.com

SEATTLE-based Tom Bihn has been making high-quality bags since 1972, using a mix of heavyweight and superstrong fabrics such as denier ballistic nylon and Japanese Dyneema nylon, along with water-repellent zippers.

The Empire Builder Briefcase (\$190/around £118) is a perfect carrier for photographers who work on the go. This bag is multifunctional and durable, and is designed to be used with a number of optional straps and compartments, including the Camera I-O (\$110/around £69). This is an insert that will hold a standard DSLR without battery grip attached or a compact system camera, as well as two to three lenses.

When carrying only my laptop, I found that the Vertical Brain Cell insert (\$65/around £40), also from Tom Bihn, was a fantastically well-padded hard sleeve for 15in laptops. It can be used separately or secured inside the Empire via clips, leaving room for small accessories, a tablet, mobile phone and other organisational kit in its numerous pockets. **Jon Devo**



PNY T10400 USB battery pack

● £39.99 ● www.pny-europe.com

NEW FROM PNY is the T10400 USB battery pack. It has a 10,400mAh capacity that can charge most smartphones or tablets up to six times. It can also charge cameras that are capable of charging via USB and, depending on the camera's battery, photographers can expect to get up to ten charges of their camera battery.

The battery has two USB outputs, with one providing a 1.1-volt charge and the other 2.2V. Obviously, the 2.2V output charges devices faster, but the 1.1V socket will be compatible with older devices. Both USB ports can be used at once. The T10400

battery itself is charged via a Micro USB connection.

I took it on a three-day trip to New York and was able to keep the batteries

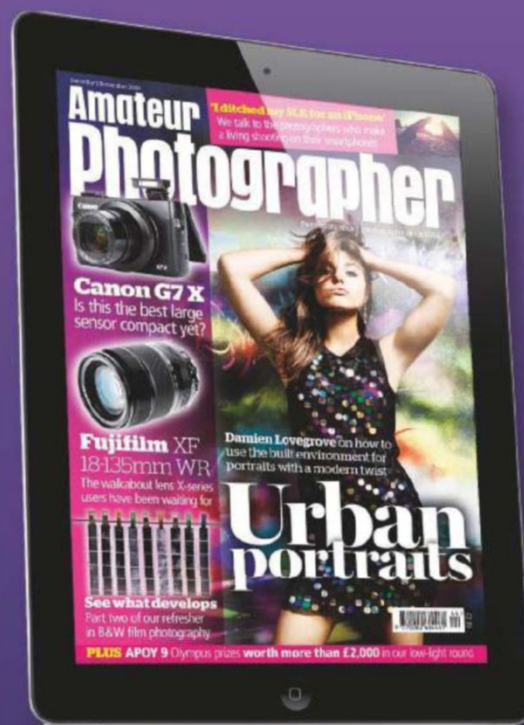
in my iPhone 6, Sony Cyber-shot DSC-RX100 II and Android tablet all topped up for the duration. It's a very useful battery, and the highest capacity that I have tested, yet it is still small enough to keep tucked away inside an everyday bag.

Richard Sibley



Amateur Photographer

The latest photography kit and technique at your fingertips

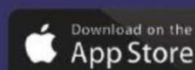


More great pictures
More technique
More opinion
More inspiration

- Download online, enjoy offline
- Buy from the comfort of your own home
- Available the day the magazine goes on sale
- Missed an issue? Simply download a back copy

Try it today

www.amateurphotographer.co.uk/digital-edition



kindle fire

nook

zinio™



At a glance

- 16-million-pixel, four-thirds Live MOS Sensor
- 98.5 x 59.5 x 36.1mm size
- ISO 125-25,600 (ISO 100 expanded)
- 1.17-million-dot resolution EVF
- 3in, 921,000-dot touchscreen
- Micro four thirds lens mount
- Price £750 (with 12-32mm lens)

Panasonic Lumix DMC-GM5

With a 16-million-pixel four-thirds sensor, Panasonic's latest CSC packs a lot of punch for a camera that fits inside the palm of your hand. **Callum McInerney-Riley** tries it out

For and against

- + Electronic viewfinder helps when shooting in bright light
- + Good build quality and attractive retro styling
- + Good image quality for its size from large four thirds sensor
- Small and cramped controls can be fiddly to use
- Short battery life compared to similar larger cameras
- No NFC slows down the Wi-Fi set-up

Where in the range



Panasonic Lumix DMC-GM1 Price £529

The GM1 is similar in specification to the GM5, but is smaller and has no electronic viewfinder.

Panasonic Lumix DMC-GX7 Price £599

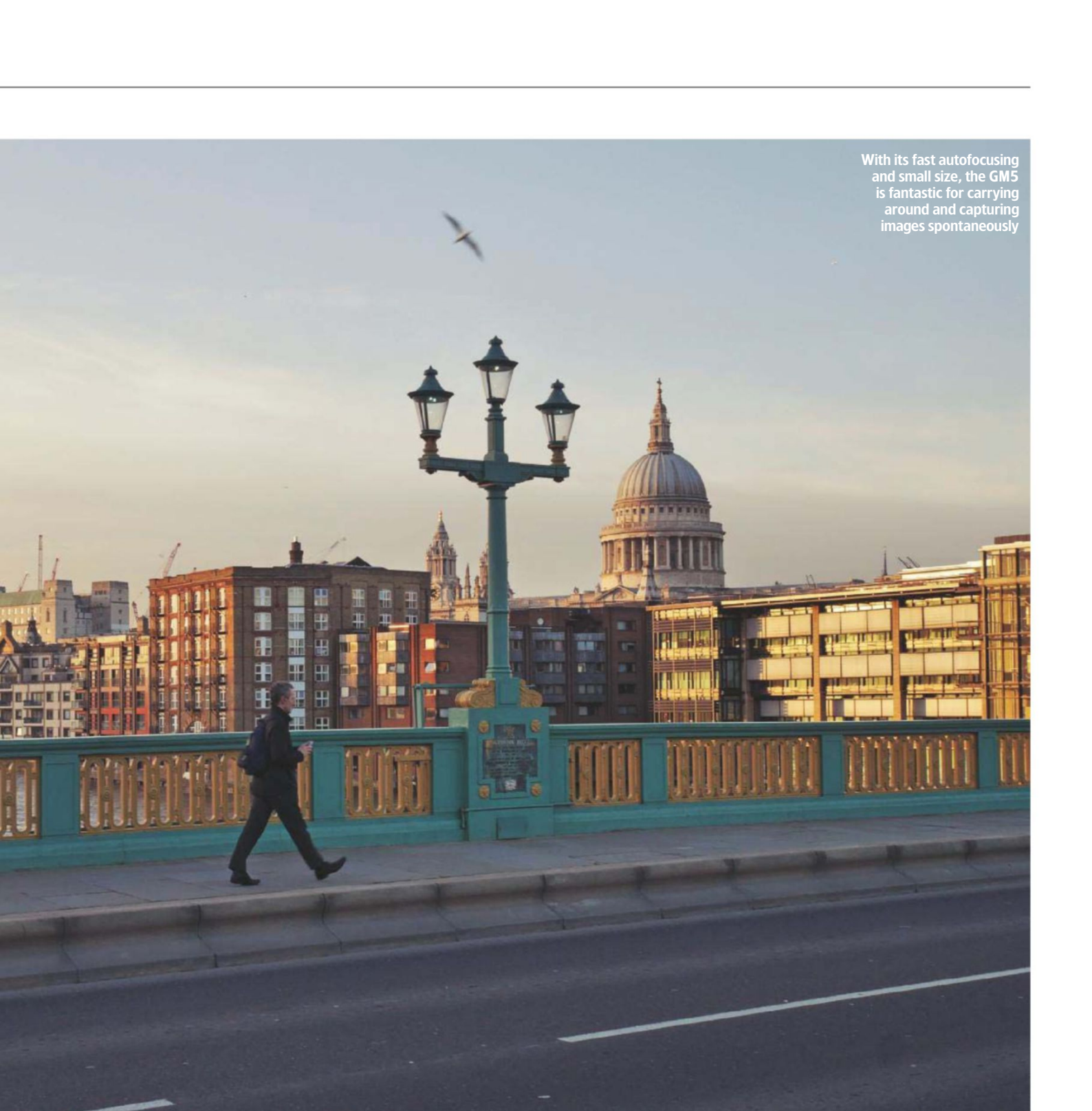
The GX7 is a larger, more enthusiast-focused camera with a built-in tilting electronic viewfinder and in-body image stabilisation.

Data file

Price	£750 (with 12-32mm kit lens)
Sensor	16-million-pixel Live MOS sensor
Output size	4592 x 3448 pixels
Focal length mag	2x
Lens mount	Micro four thirds mount
File format	Raw, JPEG, raw + JPEG
Shutter speeds	60-1/16000sec
ISO	ISO 200-25,600 (ISO 100 extended), PASM
Exposure modes	Multi, centreweighted, spot
Metering	5.8fps
Drive	Full HD, 1920 x 1080 pixels, 60p
Movie	1.17-million-dot resolution EVF
Viewfinder	3in, 921,000-dot touchscreen
Display	Face, eye-detection, tracking, 23 area
Focusing	SD, SDHC, SDXC
Memory card	98.5 x 59.5 x 36.1mm
Dimensions	211g (with battery and card)
Weight	



Last year, we reviewed the Panasonic Lumix DMC-GM1, which was the smallest interchangeable-lens camera to feature a four thirds sensor. Skip forward a year and Panasonic has added another member to the Lumix G family, the Lumix DMC-GM5. This model is not a successor to the GM1, but rather a more advanced big brother with a few exciting add-ons, but it is certainly a continuation of the theme of small and compact. A few of these exciting additions include an electronic viewfinder, a slightly larger



With its fast autofocus and small size, the GM5 is fantastic for carrying around and capturing images spontaneously

LCD screen and hotshoe. Of course, housing all this means the GM5 isn't as small as the GM1, but it is still a very compact size.

Features

Inside the Panasonic Lumix DMC-GM5 is a four thirds Live MOS sensor with a resolution of 16 million pixels. This sensor is used in numerous Panasonic cameras, including the Panasonic Lumix DMC-GM1 and the more recent Panasonic Lumix DMC-LX100. Measuring 17.3 x 13mm across, it is bigger than the 1in-type sensors found in compact cameras,

such as the Sony Cyber-shot DSC-RX100 III and the Canon PowerShot G7 X, but smaller than the APS-C-sized sensors inside some DSLR cameras and compact system cameras. It's very impressive to see a large-sized four thirds sensor inside such a small camera.

The GM5 has a native ISO sensitivity range of 200–25,600 and an extended setting of ISO 100. This is fractionally lower than the GM1's extended ISO of 125. Images can be captured in either raw or JPEG format, and the GM5 has an improved shooting speed of

5.8fps in continuous shooting mode over the GM1's 5fps.

However, what really sets the GM5 apart from the GM1 is the electronic viewfinder with its resolution of 1.17 millions dots, which is great for composing images in bright conditions. As with the GM1, the GM5 has a 3in touch-sensitive LCD display, but instead of a 3:2 ratio 1.03-million-dot screen, the GM5 has a 16:9 ratio 921,000-dot resolution screen. This means the screen is wider, making it better for shooting video than the GM1. Video can be recorded in AVCHD full HD with a resolution of 1920 x 1080

pixels at a 60i frame rate.

As a kit, the GM5 comes with either a 15mm Leica lens or the Panasonic Lumix G Vario 12–32mm f/3.5–5.6 Asph with Mega OIS image stabilisation built in. This 12–32mm model is the lens that made its debut alongside the GM1 to keep the camera compact. It's the cheaper option, costing around £750 as a kit, while the Leica 15mm costs around £1,049 as a kit. The Leica lens is able to take advantage of the improved 240fps AF readout, resulting in quicker autofocus. The GM5 is available in either black, or



A warming Curves layer applied in Photoshop helps the colours in this shot pop

'Wi-Fi functionality allows users to send and review files on their smartphone or tablet'

black and red, versions in the UK. However, we have seen variations in silver, orange tan and military green, which could potentially become available.

As with many of today's cameras, the GM5 has Wi-Fi functionality. This allows users to send and review files on their smartphone or tablet via the Panasonic app. The GM5 also offers the ability to connect to a smartphone or tablet and control the camera using the linked device. Interestingly, though, the GM5 doesn't have an NFC connection, which is mostly likely a trade-off for its small size. The camera doesn't have a pop-up flash, either. Instead, it has a small external flash unit included in the box, which slides onto the hotshoe mount. This is also an advantage when using flashguns and other hotshoe-mounted accessories.

Other noteworthy features include highlight/shadow adjust and focus peaking. As with the GH4, the GM5 will highlight areas at the point of optimum focus to assist in achieving sharp focus manually. This is also previewed through the EVF, which is a big help as the EVF is quite small. The highlight/shadow feature allows users to apply a tone curve to adjust the shadow and highlight areas in brightness/darkness. This is perfect for manually manipulating the tonal range of the camera.

Build and handling

Measuring 98.5 x 59.5 x 36.1mm and weighing just 211g with battery and card, the GM5 is very compact. It is only 5.4mm wider and 5.7mm taller than the GM1. At the rear of

the camera is a raised thumb grip, which makes the camera fairly easy to hold. The front side of the camera has no raised grip, making it unsteady when shooting with one hand. However, as with the GM1, an optional DMW-HGR1 grip – costing around £99 – can be screwed into the tripod mount, giving the camera a raised front grip. That said, the GM5 does feel very secure when cradled in two hands, thanks to its compact size.

The sleek, retro black design of the GM5 is very similar to the GM1. Mark Baber, technical product manager at Panasonic UK, says that the top-plate from the GM5 is inspired by the Panasonic DMC-LC1 – although you can be forgiven for forgetting which camera this is, since it was released back in 2003.

In terms of control layout, the GM5 is quite different from the GM1. Rather than having a D-pad that doubles as a scroll wheel, the D-pad is simply four buttons surrounding a menu/set button. The scroll wheel now sits on its own above the LCD. Along the top side of the LCD screen are three buttons. The Fn2 LVF button on the far left switches between live view and the electronic viewfinder, although the camera does have a proximity sensor so it's seldom needed. In the middle is a Wi-Fi Fn1 button and to the right of this is the playback button. The Fn1/Fn2 buttons can be customised to suit the user, as can the function menus on the LCD screen.

Due to the diminutive size of the GM5, all the buttons are small and can be fiddly. In general, though, this isn't too

Focal points

The GM5 houses a 16-million-pixel four thirds sensor inside a very small and compact body

Electronic and mechanical shutter

The GM5 features both an electronic and a mechanical shutter, which allow a maximum shutter speed of 1/16,000sec.

Micro four thirds mount

Twenty-three Lumix G lenses are currently available, and there are also plenty of alternative micro four thirds-mount lenses from the likes of Olympus and Sigma.



Highlight/shadow

Inside the menus of the GM5 is a highlight/shadow option, which allows users to set a tone curve, thus lightening or darkening the shadows or highlights of an image.

Battery

The GM5 takes a Li-Ion battery with 680mAh power capacity. This is rated to 210 shots in CIPA testing, which is quite low.

Focus peaking

Focus peaking highlights the edges of areas that are in focus, allowing photographers to better achieve precise manual focusing.



Nikon Digital SLR

D3200

£20 CASHBACK

24.2 MP
EXPEED 3 Engine
Full HD movies
Wireless Capability



D3200 Body £279.00
D3200 18-55 VR Kit... £340.00 £7.98 P/m
D3200 18-55 VR Kit... £439.00 £7.73 P/m

D3300

£30 CASHBACK

Incredible Image Quality
Simplicity of use
WiFi Connectivity



D3300 Body £369.00 £7.58 P/m
D3300 18-55 Kit... £414.00 £8.50 P/m

D5200

£40 CASHBACK

24.1 MP DX format CMOS
Vari-angle LCD monitor
Full HD Movie



D5200 Body £439.00 £7.73 P/m
D5200 18-55 Kit... £485.00 £8.79 P/m
D5200 Twin Kit... £729.00 £8.79 P/m

D5300

£50 CASHBACK

WiFi Connectivity
GPS built-in
39-Point AF system
Nikon's unique Picture Control



D5300 Body £519.00 £7.62 P/m
D5300 18-55 Kit... £589.00 £8.64 P/m
D5300 18-140 Kit... £769.00 £11.28 P/m

D7100

24.1 MP DX format
CMOS Sensor
Optical low pass filter



FREE ACCESSORY KIT WORTH £148

D7100 Body £807.00 £11.84 P/m
D7100 + 18-105mm... £939.00 £13.78 P/m

D750

NEW

16.2 MP CMOS sensor
Full HD Video Recording



D750 Body £1779.00 £26.50 P/m
D750 24-85 VR Kit... £2249.00 £33.00 P/m
D750 24-120mm Kit... £2349.00 £34.47 P/m

D610

24.3 MP FX CMOS sensor
6fps Shooting
Finely Detailed Images



FREE ACCESSORY KIT WORTH £148
D610 Body £1330.00 £19.52 P/m
D610 + 24-85 Lens... £1749.00 £25.66 P/m

D810

NEW

36.3 MP FX sensor
Extensive ISO
Cinema Ready



Up to 7 fps burst rate
D810 DSLR Body... £2699.00 £39.60 P/m

Df™

16.2 MP FX-format (full-frame) CMOS sensor



Embrace highlights and shadows
Rediscover the joy of photography
Df Body... £2199.00 £33.74 P/m
Df Body and AF-S 50mm f1.8G Special Edition... £2225.00 £32.65 P/m

NEW D4s

16.2 MP FX sensor
Amazing speed
Full HD Video



D4s DSLR Body... £1999.00 £216.63 P/m
PAY HALF NOW HALF OVER 12 MONTHS

Nikon Zoom Lenses



10-24mm f3.5-4.5 G AF-S DX Lens £639.00 £9.38 P/m
14-24mm f2.8G ED AF-S NIKKOR £1319.00 £19.35 P/m
16-35mm f4G ED VR AF-S NIKKOR £829.00 £12.16 P/m
16-85mm f3.5-5.6G ED VR AF-S DX £439.00 £7.73 P/m
17-55 mm f2.8G ED-IF AF-S DX Zoom... £1049.00 £15.39 P/m
18-200mm f3.5-5.6G ED VR II AF-S... £584.00 £8.57 P/m
18-300mm f3.5-5.6G ED VR AF-S DX £669.00 £9.82 P/m
24-70mm f2.8G ED AF-S NIKKOR £1245.00 £18.27 P/m

28-300mm f3.5-5.6G ED VR Nikkor £679.00 £9.96 P/m
24-120mm f4G ED AF-S VR Nikkor £819.00 £12.16 P/m
55-300mm f4.5-5.6G ED DX AF-S VR... £299.00 £7.90 P/m
70-200mm f2.8G ED VR II £1619.00 £23.76 P/m
70-300mm f4.5-5.6G AF-S VR Nikkor £439.00 £8.19 P/m
70-200mm f4G ED VR AF-S Nikkor £979.00 £14.37 P/m
NEW 80-400mm f4.5-5.6G ED VR £1899.00 £27.87 P/m
200-400mm f4G ED VR II AF-S NIKKOR... £4939.00 £72.47 P/m

Nikon Prime Lenses

Fixed focal length, The ultimate in image quality for your Nikon DSLR



10.5mm f2.8G ED DX Fisheye £559.00 £8.20 P/m
24mm f1.4G AF-S NIKKOR £1479.00 £21.70 P/m
35mm f1.4G AF-S £1309.00 £19.79 P/m
35mm f1.8G AF-S DXs £148.00
AF-S 50mm f1.4G Lens £295.00
50mm f1.8G AF-S NIKKOR £149.00
85mm f1.8G AF-S NIKKOR £379.00 £7.79 P/m

85mm f1.4G AF-S Nikkor £1393.00 £20.44 P/m
200mm AF-S NIKKOR F2G ED VR II... £4099.00 £60.15 P/m
300mm F2.8G AF-S ED VR II Lens... £4045.00 £59.35 P/m
400mm f2.8G ED VR AF-S NIKKOR... £7189.00 £86.56 P/m
500mm f4G ED VR AF-S NIKKOR... £5899.00 £86.56 P/m
600mm f4G ED VR AF-S NIKKOR... £7189.00 £105.48 P/m

Nikon Macro Lenses

Get super close to your subject



40mm f2.8G AF-S DX Micro NIKKOR £185.00
60 mm f2.8D AF Micro-Nikkor £374.00 £7.68 P/m
60mm f2.8G ED AF-S Micro NIKKOR £409.00 £8.40 P/m
85mm f3.5G ED VR AF-S DX Micro £375.00 £7.70 P/m
105mm f2.8G AF-S VR Micro-Nikkor... £629.00 £9.23 P/m

Nikon Compact System

NIKON J4

Blazingly quick
Fast, light, and solidly built,
this portable system camera
delivers effortless quality performance



J4 Body Only - £319.00 £7.49 P/m
J4 with 10-30mm Lens - £399.00 £8.20 P/m

Nikon Teleconverters

Nikon Speedlight Flash

TC-14E II Teleconverter



£449.00
£7.91 P/m

TC-17E II Teleconverter



£309.00
£8.16 P/m

TC-20E III Teleconverter



£369.00
£7.58 P/m



£25 CASHBACK
Nikon SB700 Speedlight
£229.00



£35 CASHBACK
Nikon SB910 Speedlight
£349.00 £7.37 P/m



Nikon SBR1 C1 Commander Close Up Speedlight
£559.00 £8.20 P/m

FINANCE AVAILABLE

Get credit at the checkout
Get an instant decision
Pay just 10% deposit today

Powered by
Pay Later

www.cliftoncameras.co.uk
email: sales@cliftoncameras.co.uk
E&OE Prices correct at time of print but are subject to change

28 Parsonage Street
Dursley
Gloucestershire
GL11 4AA

tel: 01453 548 128
OPENING HOURS
MON - SAT 10AM - 5:30PM

'As with many Panasonic G-series cameras, the autofocus of the GM5 is class-leading'

➤ troublesome. As a left-eyed shooter, I found that the scroll wheel was placed rather awkwardly over the bridge of my nose, making it a little annoying to change values with while using the EVF.

Performance

As with many Panasonic G-series cameras, the autofocus of the GM5 is class-leading. Panasonic claims a CIPA test of 0.06sec AF speed for the GM5. In real-world use, it is noticeably snappy. In low-light conditions it still finds focus, quickly aided by the AF-assist beam. The touch-sensitive screen brings several advantages, such as positioning an AF point anywhere in the scene for easy and accurate focusing. Also, using a pinch gesture on the LCD gives users the ability to resize the focus point.

Due to the 4:3 ratio of the sensor and the 16:9 ratio of the LCD screen, around 25% of the screen is left blank when shooting in full resolution. This means the on-screen image is smaller than on the GM1 with its 3:2 LCD display.

However, I found the LCD was bright and clear to use in all situations other than in direct sunlight. Although the EVF is small, it's reassuring to know it's there to fall back on in challenging conditions. The EVF is nothing outstanding, but it's perfectly good for composing images and using from time to time. With a smaller camera, it's easy for it to wobble around in the hand, so bringing the camera closer to the eye adds some stability and reduces the risk of camera shake.

Like many G-series cameras, a 1,728-zone multi-pattern sensing system is used to meter the exposures on the GM5. Overall, the metering performs well, but I found that in some overcast landscape situations the metering was underexposed and in some low-light indoor shots the camera exposed slightly over in order to keep detail in the shadows. This can be corrected using the $\pm 5\text{EV}$ exposure compensation on the LCD screen or by pressing and moving the scroll wheel.



Lab results

Andrew Sydenham's lab tests reveal just how the camera performs

THE GM5 gives very acceptable results from its four thirds sensor. It records detail levels that are commensurate with its 16-million-pixel sensor, which should be plenty for prints up to A3+ (12 x 16in) size. Its shutter always uses an electronic first curtain, which effectively eliminates any possibility of detail loss from shutter-induced vibrations.

Dynamic range is very respectable at low ISOs, and

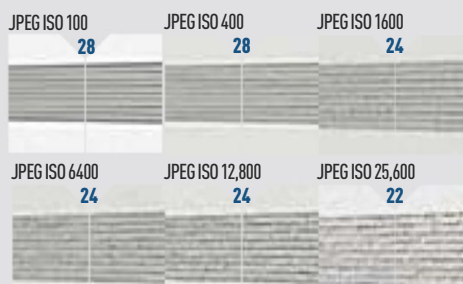
Panasonic's iDynamic mode can help exploit this to the full, by pulling up shadow detail in JPEG processing without sacrificing the highlights. But dynamic range drops substantially above ISO 1600, reflecting a lack of ability to distinguish shadow detail from noise at higher settings.

Noise is kept well under control at sensitivities up to ISO 800, after which it starts to increase visibly. ISO 1600 should still be

fine for many purposes, but ISO 3200 and 6400 should be used with caution. We would generally recommend steering clear of the top two ISOs wherever possible.

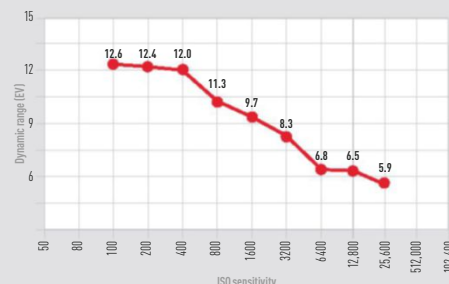
Overall, it's fair to say that the GM5 offers very impressive image quality for a camera this size, although it's closely challenged by the latest breed of compact cameras, with their relatively large sensors and built-in fast zoom lenses.

Resolution



The GM5 resolved a maximum of around 2800l/ph on our Applied Imaging test chart. Smooth blurring of fine detail beyond this point shows that the sensor has a well-matched optical low-pass filter. Resolution drops gradually as the ISO is increased, to around 2600l/ph at ISO 800, 2400l/ph at ISO 1600 and 2200l/ph at ISO 25,600. These tests were shot at 26mm (52mm equivalent) and f/5.6 using the 12-32mm f/3.5-5.6 zoom that's supplied with the camera – the optimum settings for this lens.

Dynamic range



The GM5's sensor delivers very respectable results, which are a very close match for its fixed-lens cousin, the LX100. Our Applied Imaging test measures the peak dynamic range as a very respectable 12.6EV at ISO 100, and this holds up to a still very usable 9.7EV at ISO 1600. Beyond this range it falls quickly, indicating that shadow detail will become increasingly swamped by noise. The very low measurements at ISO 6400 and above indicate that these settings will offer distinctly low image quality.

Colour

This 3D graph compares the colour shift from the reference colour to the photographed chart: the higher the peak, the greater the shift from the original.

In the default JPEG setting, colours are rendered generally neutrally across the range. Saturation is somewhat increased overall, and there's a slight emphasis on the blues, which should make for stronger landscapes.

Colour settings can be adjusted in the Photo Style menu, which includes options designed for portraits and scenery. It's important to get keep an eye on the camera's white balance while shooting JPEGs, to ensure the correct colour balance.



Download Amateur Photographer to your tablet or smartphone today!
www.amateurphotographer.co.uk/digital-edition



Noise

Both raw and JPEG images taken from our diorama scene are captured at the full range of ISO settings. The camera is placed in its default setting for JPEG images. Raw images are sharpened and noise reduction applied, to strike the best balance between resolution and noise.



The images above have a resolution of 300ppi, reflecting a high-resolution print. The GM5 gives clean, detailed images at its lowest ISO setting, and maintains almost the same quality up to ISO 800, although a little luminance noise becomes visible in the midtones.

Noise and noise reduction have an increasing impact on image quality at higher sensitivities, with noticeable loss of shadow detail at ISO 3200. At

ISO 6400, noise reduction is smearing away almost all fine detail, and the top two settings are best avoided.

Adobe Camera Raw was unable to open the GM5's files at the time of writing, so we examined them in SilkyPix Developer Studio SE. This reinforced our findings from the camera's JPEGs that decent quality is maintained to ISO 1600, but higher settings should be used with caution.



The grey-card images above are JPEG files shot with the GM5's default noise reduction and colour settings applied. The images are presented at 300ppi to reflect the noise that would be experienced when printing.

The results show that the GM5 has well-controlled noise up to ISO 1600.

Noise becomes increasingly problematic at higher sensitivities, and although ISO 6400 doesn't look too bad here, ISO 12,800, and ISO 25,600 in particular, are visibly very noisy. However, there will always be situations where the extended settings will obtain shots not otherwise achievable.

The competition

Sony Cyber-shot DSC-RX100 III

Price £699

With a 20.1-million-pixel, 1in-type sensor and 24-70mm-equivalent f/1.8-2.8 lens, the RX100 III is an excellent compact.

Olympus OM-D E-M10

Price £659

The Olympus E-M10 is a larger camera with a 16.1-million-pixel, four thirds sensor and a large, high-resolution EVF.

Sony Alpha 6000

Price £579

The Alpha 6000 boasts 11fps shooting speed, fast AF and a host of great specifications – it's a great all-rounder.



	Sony Cyber-shot DSC-RX100 III	Olympus OM-D E-M10	Sony Alpha 6000
Sensor	20.1-million-pixel, 1in-type sensor	16.1-million-pixel, four thirds Live MOS sensor	24.3-million-pixel, APS-C Exmor CMOS sensor
Focal length/mag	125-12,800	200-25,600	100-25,600
ISO	2.7x	2x	1.5x
Mount	N/A	Micro four thirds	Sony E mount
AF points	25	85	179
Display	Tiltable 3in 1.23-million-dot TFT display	Tiltable 3in 1.04-million-dot touchscreen	3in, 921,600-dot TFT LCD
Viewfinder	1.44-million-dot EVF	1.44-million-dot EVF	1.44-million-dot EVF
Dimensions	102 x 58 x 41mm	119.1 x 82.3 x 45.9mm	120 x 66.9 x 45.1mm
Weight	290g	350g	344g

Our verdict

CONSIDERING the GM5's size, this camera is capable of some amazing things. In a body not much larger in length and width than a credit card, the GM5 manages to squeeze in a four thirds sensor, which gives great image quality. We've seen it used in many Panasonic cameras before the GM5 and it has always been impressive.

At ISO 400, the GM5's images look clean and I wouldn't have an issue using it between ISO 400 and 800. Around ISO 1600 a lot of luminance noise starts to creep into the raw files and there is noticeable detail loss in JPEG images when viewed at 100%. However, for small prints or web work, the images look fine right up to ISO 3200.

One of the most impressive things about the GM5 is the autofocus system. It's incredibly fast, finding focus in a fraction of a second even in challenging conditions. Thanks to this, it made a really good street-photography

camera, particularly when shooting from the hip.

As with the GM1, the GM5 does compromise on the quality of handling due to its small size. The menu system is great, but it's the button placement that's not quite right. The handling experience of the GM5 is different, but I wouldn't say it was much better than the GM1. It's still a bit fiddly and not as refined as it perhaps could be.

Although I didn't find myself solely relying on it, the addition of the EVF is nice to have. I think this will certainly broaden the appeal of the camera for more travel enthusiasts.

In short, the camera is a trade-off between size and usability. If compactness is crucial to you, then the GM5 is a winner. It would be hard to find another camera that can match the image quality of the GM5 and still fit inside a top pocket – the GM1 excepted, of course.



FEATURES	7/10
BUILD & HANDLING	7/10
METERING	8/10
AUTOFOCUS	9/10
AWB & COLOUR	7/10
DYNAMIC RANGE	8/10
IMAGE QUALITY	8/10
VIEWFINDER/LCD	7/10



Sony Carl Zeiss Vario-Tessar T* FE 16-35mm f/4 ZA OSS

The expansion of Sony's FE lens range continues with the introduction of its latest zoom lens, but how well will the Alpha 7 cameras cope with such a wideangle view? **Richard Sibley** finds out

Features

Like the other premium zooms in the FE range, the 16-35mm lens has an f/4 aperture. Although some will bemoan the lack of an f/2.8 aperture, its omission is quite logical. First, a wider maximum aperture would make the lens physically larger, which would defeat the point of a small system. Second, a 16-35mm lens is unlikely to be used for portraits or street photography and will instead find its home with landscapes, architecture and interiors. For such disciplines, the shallow depth of field and extra stop of light afforded by an f/2.8 aperture is largely unnecessary. The lens also features optical image stabilisation, although it isn't quite as necessary as when using a longer focal length and can be turned on and off in-camera.

Build and handling

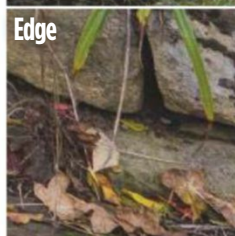
Weighing 518g and measuring 78 x 98.5mm, this new wideangle zoom is fractionally larger in every dimension than the Sony Carl Zeiss Vario-Tessar T* FE 24-70mm f/4 ZA OSS lens, which measures 73 x 94.5mm and weighs 426g. The 16-35mm follows the same style as the other Carl Zeiss FE lenses, with a minimal, industrial design that uses the DIN 1451 typeface.

The construction is everything you would expect of a Carl Zeiss lens, with a solid all-metal finish, including metal ribbed zoom and focusing rings. I found that the zoom barrel, and the focusing ring, have a good level of resistance, with a very smooth motion. Focusing is done electronically rather than mechanically. However, the glide of the focus-ring rotation and the gearing of the motor means that manually focusing is very precise and fluid enough for video capture.

Optically, the lens is made of ten elements in 12 groups. Of these elements there are five aspherical types, including the front 'advanced aspherical' lens, as Sony calls it. These elements help to reduce curvilinear distortions and aid edge sharpness, while three extra-low dispersion elements help to prevent chromatic aberrations. As would be expected, the lens uses

When the full-frame Alpha 7 and Alpha 7R were introduced last year, one of the concerns voiced by many photographers related to how well the cameras would cope with wideangle lenses. Both Alpha 7 cameras, along with the more recent Alpha 7S, use the Sony E mount – the same mount used in the company's APS-C-format compact system cameras.

When Sony's original NEX range of CSCs was released, there was some criticism of the image quality when using wideangle lenses, with distortion and a loss of definition at the edges. This was due to the very short flange-focus distance of E-mount lenses. Alpha 7 cameras feature the same E mount, but their larger full-frame sensors make the problem more difficult to overcome. Wideangle lenses need to have an image circle large enough to retain sharpness at the edges while keeping distortion to a minimum. Sony's solution to this problem is the new Carl Zeiss Vario-Tessar T* FE 16-35mm f/4 ZA OSS lens.





The 16-35mm focal length of the lens provides a great range for landscape images



Carl Zeiss's famous T* multi-coating to aid light transmission, and reduce flare and internal reflections, all of which helps to improve colour and contrast over an uncoated lens.

In use

There are two key factors to consider when buying a wideangle zoom. The first is the usefulness of the focal-length range, while the second is the quality at the corners of the image. As far as focal length goes, the 16mm setting is very good, and realistically is about as wide as most photographers will want to shoot.

In terms of image quality, I did notice some coloured fringing along high-contrast edges. This is most noticeable towards the edges of the image when shooting at f/4 at the 16mm setting. The aberration is significantly reduced when the aperture is stopped down to f/8, and it is also less noticeable when using the 35mm end. Thankfully, in this digital age, the fringing is easily reduced using raw-conversion software, so it should be of no concern to those who capture raw images. If you shoot JPEGs, the aberrations can be reduced in-camera by switching the Correct Chromatic Aberration custom setting to auto. This sub-menu of the Alpha 7 cameras can also be used to correct distortion and vignetting.

You would expect a lens with the Carl Zeiss badge on it to produce extremely sharp images, and the 16-35mm lens doesn't disappoint. In the centre at 16mm, the lens is as sharp as the 24-70mm f/4 zoom. As you move to the 35mm focal-length setting, the edge is just taken off the sharpness slightly, but the centre resolution is still excellent. What is most impressive is the performance of the lens when wide open. Stopping down to f/5.6 gives images a little more bite, but stopping down once more to f/8 makes virtually no difference.

At the edges, there is obviously a drop in resolution. However, the only real degradation is in the very corners, and the performance seems just as good, if not better, than other, similar full-frame wideangle lenses.

Our verdict

AS THE Sony FE system is still in its infancy, the Sony Carl Zeiss Vario-Tessar T* FE 16-35mm f/4 ZA OSS lens finds itself in the curious position of being the only real option for those wanting a super-wideangle lens. Of course, it is possible to use Sony A mount or even third-party lenses, but the reality is that this 16-35mm optic produces images that will certainly match the sharpness of these lenses. Yes, there is a drop-off in resolution at the very corners of the frame, but this is a compromise that the laws of physics and current optical design can't avoid, unless you want the lens to be significantly larger in size.

Those photographers who want a wideangle zoom should be very pleased with this Sony Carl Zeiss 16-35mm f/4 lens, but those who will make little use of the 16mm setting may do better to buy the 24-70mm f/4 lens, or wait to see if Sony produces a 24mm fixed lens at some point in the future.



Data file

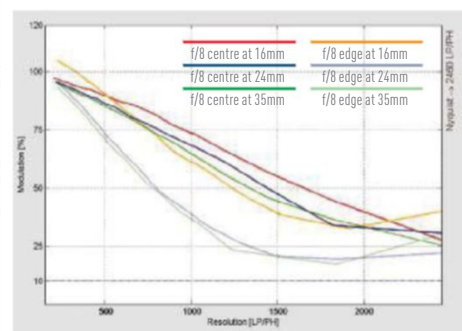
Price £1,289
Filter diameter 72mm
Lens elements 12
Groups 10
Diaphragm blades 7
Aperture f/4-22
Minimum focus 28cm
Length 98.5mm
Diameter 78mm
Weight 518g
Lens mount Sony FE



Sony Carl Zeiss Vario-Tessar T* FE 16-35mm f/4 ZA OSS

Resolution

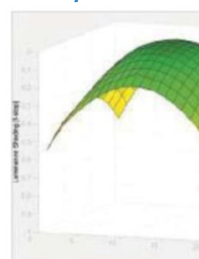
Our MTF tests reveal a lens that's sharpest at wideangle – just as a wide zoom should be. Edge sharpness is highest at 16mm, and decreases significantly on zooming in. This is partly due to field curvature, with the corners focusing at a different distance to the image centre.



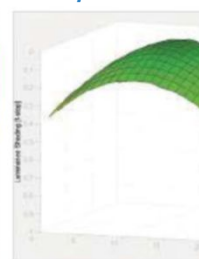
Shading

Lab tests show that vignetting is worst with the lens at 16mm f/4, which is pretty much what we'd expect. However, the fall-off is quite gradual across the frame, which makes it visually unobjectionable. Zooming in, or stopping down, reduces the vignetting effect.

16mm f/4



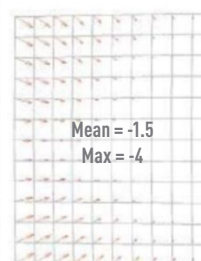
35mm f/4



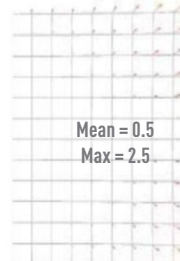
Curvilinear distortion

One advantage of wideangle zooms is that they generally produce less distortion than general-purpose 24-70mm optics, and the 16-35mm is no exception. There's visible barrel distortion at wideangle, and a little pincushion distortion at 35mm, but neither is really severe. Of course, it can be corrected in software when necessary.

16mm



35mm



Canon

7D Mark II

From £1599
2 Year
Warranty



www.DigitalDepot.co.uk

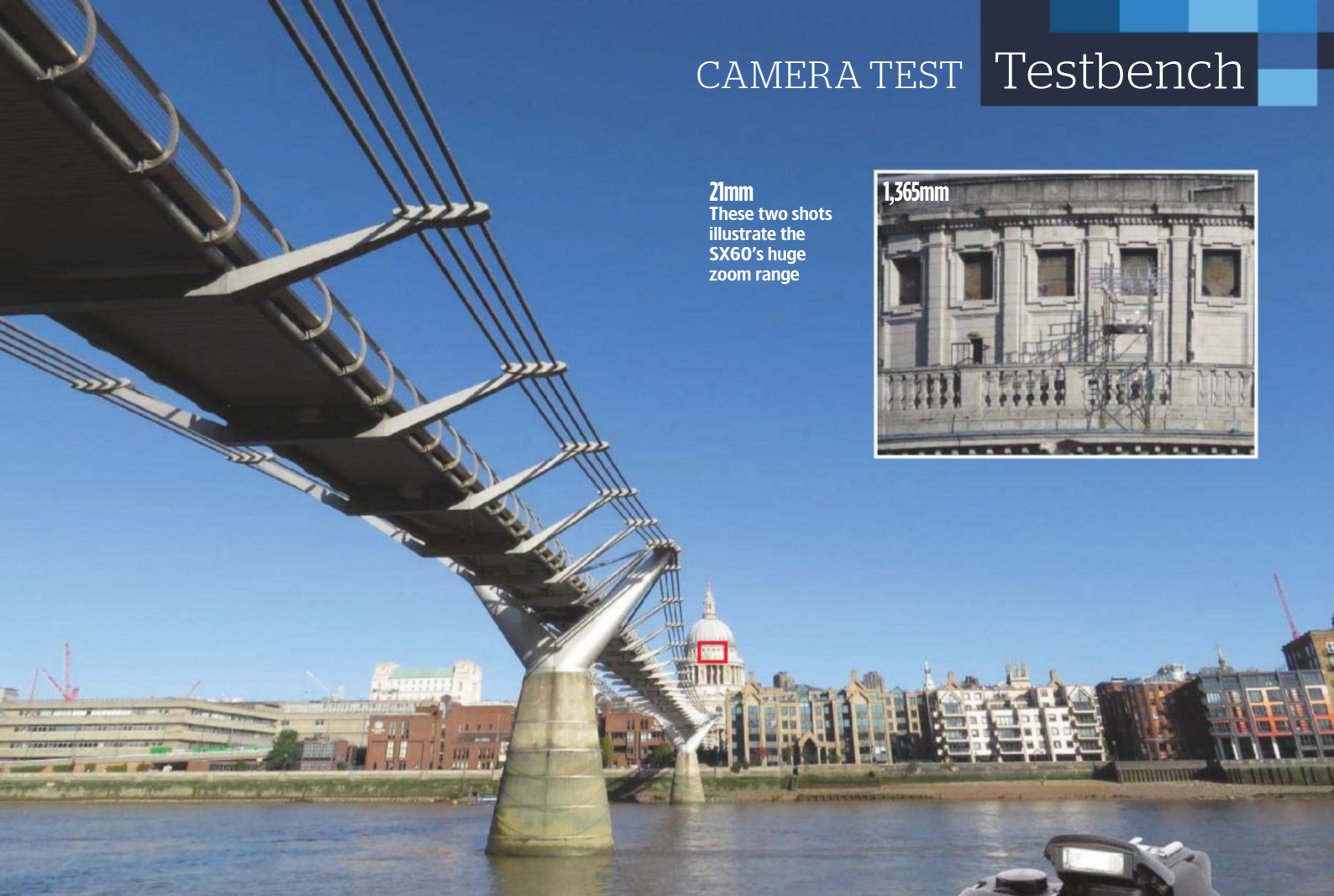
01438 367619

13 High Street
Stevenage Herts
SG1 3BG


digitaldepot
SERIOUS.ABOUT.SERVICE

Prices and details correct at time of print - E and OE

21mm
These two shots
illustrate the
SX60's huge
zoom range



Canon PowerShot SX60 HS

Canon's latest bridge camera has a staggering 21-1,365mm equivalent zoom range and features raw-format recording.

Audley Jarvis finds out if this is all too good to be true

Superzoom bridge cameras tend to be overlooked by enthusiast photographers; with their SLR-like design but small-sensor image quality, they're often seen as sheep in wolves' clothing. But the Canon PowerShot SX60 HS has a few features that make it stand out from the crowd, most notably raw-format image recording. It also has a frankly staggering 65x zoom range, which is as notable for its 21mm-equivalent wideangle setting as it is for its 1,365mm-equivalent telephoto.

At £449, though, it's more expensive than many of its competitors, and not far off entry-level DSLRs. But, of course, there's no practical way of coming close to matching its zoom range with interchangeable lenses. Clearly

there are going to be compromises with the superzoom camera, but is it still worthy of attention as a serious photographic tool?

Features

The SX60 HS is the successor to last-year's SX50 HS, and aside from its aforementioned zoom, it gains notable updates in other areas. The sensor is now a 16.1-million-pixel, back-illuminated CMOS unit – up from 12.1 million pixels – although it's still the same small 1/2.3in type. The image processor is Canon's newer Digic 6, but the maximum sensitivity has dropped to ISO 3200, compared to ISO 6400 on the SX50. And despite the very impressive zoom range of the lens, its f/3.4-6.5 maximum aperture is

disappointingly slow, especially as many of its competitors open up to f/2.8 at the widest end.

To deal with the extended telephoto range, Canon says it has beefed up the lens's optical image-stabilisation system. This may well be true, but even merely aiming the 1,365mm-equivalent lens in the right direction is a big ask, let alone holding it steady. Canon has provided a couple of framing assist functions for telephoto work, accessed by buttons on the lens barrel: the first temporarily zooms the lens out to allow you to reacquire your subject, and the second soups up the stabilisation to help with framing. These do help a bit, although neither is well placed for portrait-format shooting.



Data file

Canon SX60 HS

Price	£449
Sensor	16.1-million-pixel, 1/2.3in BSI CMOS
Output size	4608 x 3456 pixels
Focal length mag	5.5x
Lens	21-1,365mm equiv, f/3.4-6.5
Shutter speeds	15-1/2000sec
ISO	100-3200
Metering system	Evaluative
Exposure compensation	+3 to -3EV in 1/3EV steps
Drive mode	6.4fps max, 3.8fps with C-AF
LCD	3in vari-angle LCD with 922,000 dots
Viewfinder	922,000-dot EVF
AF points	15
Video	1920 x 1080 pixels at 60 or 30fps
External mic	Yes (3.5mm stereo)
Memory card	SD, SDHC, SDXC
Power	NB-10L (approx 340 shots)
Dimensions	127.6 x 92.6 x 114.3mm
Weight	650g (with battery and card)

Canon SX60 HS

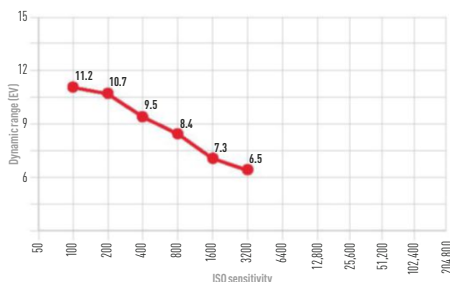
Resolution

At ISO 100, the SX60 delivers around 2400l/ph, which is quite low, given its 16.1-million-pixel sensor, and a direct consequence of its small imaging area. Resolution falls quickly as the sensitivity is increased, to around 2000l/ph at ISO 400, and as low as 1600l/ph at ISO 3200. This is well short of larger sensors with similar pixel counts.

JPEG ISO 100	JPEG ISO 200	JPEG ISO 400
24	22	20
JPEG ISO 800	JPEG ISO 1600	JPEG ISO 3200
20	20	18

Dynamic range

Base ISO dynamic range is a perfectly reasonable 11.2EV, but in practice you need to keep an eye on the exposure to avoid blowing highlights irretrievably. The small sensor quickly starts to struggle as the sensitivity is increased, and while 9.5EV at ISO 400 is still quite usable, the low dynamic range values at higher settings indicate distinctly limited shadow detail.



Noise

In terms of noise performance, the SX60 doesn't do too badly, at least in these grey card crops. It's pretty clean at ISO 100, and while a little luminance noise is visible at ISO 400, it's scarcely intrusive. At the top ISOs, noise is very aggressively smoothed away, with just some low-frequency colour noise visible, but this inevitably comes at the expense of detail.

JPEG ISO 100	JPEG ISO 200	JPEG ISO 400
JPEG ISO 800	JPEG ISO 1600	JPEG ISO 3200

Overall, at such long focal lengths, it's best to use a tripod, or at the very least brace yourself against a wall.

The SX60 does have a reasonably good electronic viewfinder, with a 922,000-dot resolution. The 3in rear LCD is fully articulated, which is a rare treat these days: it can be pointed downwards, upwards or even directly forwards for self-portraits, and folded in to face the back of the camera to protect the screen. It has the same resolution as the EVF, but isn't touch-sensitive. Disappointingly, though, the SX60 lacks an eye sensor; instead, you have to press the Disp button to cycle between the EVF and LCD.

Other useful features include a hotshoe for attaching more powerful flash units. Built-in Wi-Fi with NFC allows for connecting to a mobile device for image sharing and remote shooting. Full HD movie recording at 1920x1080-pixel resolution and 60fps is also on offer.

Build and handling

Like most cameras of this type, the SX60 is styled like a miniature SLR, with a prominent hand grip and viewfinder housing on top. It fits very nicely in the hand, with a well-shaped grip and moulded thumb rest on the back. On the whole, the controls are reasonably well laid out, too. The zoom controller encircles the shutter button, and the main control dial is placed immediately behind; this is used in conjunction with other buttons to change settings. The top-plate is also home to the large power button and the exposure-mode dial.

The buttons on the back of the camera give direct access to most of the key shooting parameters, including drive, flash and focus modes. They're both decently sized and reasonably well spaced, making them relatively easy to operate with the camera to your eye. If I have a criticism, it's that the four-way controller at the back of the camera is quite flush to the body, making it a little fiddly to operate, most notably when moving the focus area around the frame.

A shortcut button on the top of the camera can be customised to suit the user. Oddly, this button does nothing by default, but it can be set for such functions as autofocus lock or autoexposure lock. The movie-record and framing-assist buttons can also be reassigned if you prefer, with a decent range of alternatives available. The handy on-screen function menu can also be user-customised, and the camera can memorise two custom exposure modes.

Despite the resemblance to an SLR, however, the SX60's screens and menu options are resolutely from Canon's PowerShot division. Some of the options are oddly dumbed down. For example, if you choose to shoot both raw and JPEG files together, the camera refuses to allow you to change any of the normally available JPEG parameters. There's no way of setting the ISO aside from via the function menu, either.

In terms of build quality, the SX60 is very much in the middle of the road. Most of the body is constructed from lightweight plastics, with only the front fixed section of the lens barrel crafted from metal. There's little to make the SX60 feel like a premium product, which is disappointing given the price.



Performance

In terms of speed, the SX60 has something of a split personality. It starts up pretty quickly, with the lens extending ready for shooting inside a couple of seconds. The two-speed zoom can traverse the entirety of its range in a little over 2secs for quick framing, but at its slower speed it offers reasonably fine control over composition. Continuous shooting is as fast as 6.4fps when recording JPEGs with the focus fixed at the start of a burst, but this falls to 3.4fps if continuous AF is turned on. However, the camera is rather slower if you shoot raw, at only about 2fps. Battery life is OK – I was able to get more than 300 shots from a full charge.

Autofocus speed is again OK outdoors under bright light. But as light levels fall, it becomes less and less decisive, especially at the long end of the zoom. In twilight, it can easily take a second or two to acquire focus, by which time your subject may have moved on; in really low light the camera is often unable to find focus at all.

Image quality is commensurate with what we'd expect from the small 1/2.3in sensor. It's fine if you look at the picture as a whole, but it doesn't stand up to close examination of the pixels. Exposure and auto white balance tend to work pretty well, and colour rendition is pleasing enough, but the camera is prone to clipping highlights in high-contrast situations. This can be combated using the dynamic range correction setting, but only if you're not shooting raw. The best image quality comes at sensitivities up to ISO 400, and while ISO 800 is usable at a pinch, ISO 1600 and 3200 show severe loss of detail.



This shot was taken at ISO 1000, and has little in the way of shadow detail

Our verdict

IF YOU don't have overly high expectations, the SX60 isn't too bad at all. In good light, the image quality is decent enough, although naturally it won't match an SLR. The camera handles pretty well, with the EVF aiding shooting in bright light, and the vari-angle LCD gives plenty of flexibility in terms of shooting angles; however, the lack of an eye sensor for switching between them is a drawback. The vast 21-1,365mm-equivalent zoom lens gives plenty of options, although such an extreme telephoto is difficult to use when shooting handheld.

In more demanding shooting scenarios, though, the SX60 starts to show its limits. Faced with high-contrast scenes, it's prone to

clipping highlights, and in low light, noise and detail loss becomes obvious at even quite moderate ISOs. Autofocus also leaves something to be desired, especially when light levels are falling.

Overall, the SX60 is a competent enough performer for its class, but not much more than that.

For and against

- ✦ Huge zoom range
- ✦ Useful vari-angle LCD
- ✦ Generally good handling
- ✦ Raw capture is available
- ✖ Sluggish AF in less-than-perfect light
- ✖ Prone to highlight clipping
- ✖ Noise and detail loss at ISO 800 and higher

FEATURES	9/10
BUILD & HANDLING	7/10
METERING	8/10
AUTOFOCUS	6/10
AWB & COLOUR	8/10
DYNAMIC RANGE	7/10
IMAGE QUALITY	6/10
VIEWFINDER/LCD	8/10



Focal points

With its SLR-like styling and design, the Canon PowerShot SX60 HS offers plenty of features

Built-in flash

According to Canon, the small pop-up unit has a range up to 5.5m at wideangle and 3m at telephoto.

Hotshoe

This can accept more powerful Canon-compatible flashguns for more creative lighting.

Stereo microphones

Built-in stereo mics provide sound for moving recording, and there's a 3.5mm socket for an external unit, too.

Framing assist buttons

Two buttons on the side of the lens barrel help with framing when shooting at the long end of the lens.



Wi-Fi button

The SX60 HS has a dedicated button to initiate a Wi-Fi connection to a smartphone or tablet.

Remote release socket

Hidden under a flap on the handgrip is a socket for Canon's RS-60E3 electronic cable release.



Camtech

'Specialists in fine pre-owned cameras, lenses, binoculars and accessories'

WANTED

We urgently require your used photographic equipment both digital and film. We have customers waiting for: Nikon, Canon, Leica, Contax, Bronica, Hasselblad & most other makes of camera lenses, accessories, binoculars and collectables.

We will buy for cash from you or we are happy to sell on your behalf on a commission basis.

Best prices paid

We can arrange collection and even call and collect and pay on the spot if necessary anywhere in the UK.

01954 252352

Visitors are welcome. Please phone for an appointment

View our full range at www.camtechuk.com

Leica

Nikon

Canon

WANTED FOR CASH Exclusively... **Nikon** HIGHEST PRICES PAID

Grays of Westminster are always seeking mint or near-mint examples of Nikon equipment:

Nikon cameras, AF-D Nikkor lenses, AF-S Silent Wave Nikkor lenses, AF Micro-Nikkor lenses, Nikon Speedlights, Nikkor AIS & AI Manual Focus Lenses

Please telephone 020-7828 4925 or you can email us at info@graysofwestminster.com for our highest offer.

Grays of Westminster
– Exclusively... **Nikon**
40 Churton Street, Pimlico
London SW1V 2LP



www.graysofwestminster.co.uk

We've put a lot of
thinking into our bags.
So you can put in
what you need.

The Benro Camera Bag Range 2014

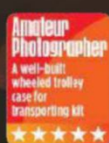
Benro's new range of innovative camera bags are designed for photographers on the go, providing ultimate protection for your precious equipment in all weather conditions.

Just like our world-class tripods, Benro camera bags boast superior build quality and functionality at a competitive price. There are a wide range of sizes and styles available, from backpacks and trolley cases to shoulder bags and zoom bags. All are created to provide maximum comfort and ventilation, while also allowing easy access – so you never miss a shot.

Visit www.kenro.co.uk to view the full range and find out more.



Benro Ranger
Pro 600N



Benro
Pioneer 1000

BENRO®



Supplying the photographic industry for over 40 years

Kenro Ltd, Greenbridge Road, Swindon, SN3 3LH

t: 01793 615836 f: 01793 530108 e: sales@kenro.co.uk

➤ www.kenro.co.uk

Follow us on Twitter

Like us on Facebook

40
YEARS OF
Kenro

Technical Support

• EXPERT ADVICE • TIPS • TRICKS • HACKS •

Email your questions to: apanswers@timeinc.com, via Twitter @AP_Magazine and #AskAP, or Facebook. Or write to Technical Support, Amateur Photographer Magazine, Time Inc (UK), Blue Fin Building, 110 Southwark Street, London SE1 0SU

Realistic skin tones

Q I regularly cut out and keep pages from Martin Evening's *Evening Class* feature in AP. I often sit down and go through four or five in a morning to try to brush up on my Photoshop skills. One of the tips was dodging and burning in Photoshop, which I have started using on my portrait images. However, I am having great trouble maintaining a realistic skin tone. Sometimes the skin tone appears very orange or grey when I lighten the shadow areas. I am trying to achieve a more natural look to the skin, but it's not working properly. Is there a trick I'm missing?

Sarah Underbridge

A When you're heavily lightening or darkening areas of a portrait, it is very common for the picture to lose or gain saturation. One of the easiest ways to even out the skin tone is to apply a saturation adjustment layer. For areas that are undersaturated, simply add +15 Saturation to an adjustment layer, hit Cmd/Ctrl+I to invert the layer mask and paint with a soft, low-opacity white. This



The Canon EF 50mm f/1.8 II is an impressively sharp lens

will slowly make the adjustment more visible and you can apply the affect to the right areas. For oversaturated areas, do the same but using -15 Saturation, instead of +15.

Callum McInerney-Riley

Expanding your kit

Q I have a Canon EOS 600D, which is my first DSLR. I have lost a few skills since I last used a point-and-shoot model, so I am enjoying learning again. I have invested in 70-300mm and 10-20mm lenses, along with a Yongnuo flashgun, various remote

triggers and a set of filters.

What would be the next logical piece of equipment to add to my kit bag? On the lens front, I'm looking to cover a range of options in the cheapest way possible, as I shoot everything from sunsets and landscapes to air shows and family. I do like the idea of trying a macro and extended zoom, but also a fisheye for a bit of fun.

What would you recommend? I am wheelchair-bound and in hospital most of the week, so photography has given me a renewed freedom. I'd also like to do some filming to get full use from the camera, so I'm guessing a microphone and Steadicam would be useful. What do you think?

Alex Heath

A It sounds to me like you're quickly building up a pretty comprehensive kit, and at this point, rather than buying a lot more, you might be better off taking a step back and making sure you're completely familiar with the strengths and weaknesses of what you already have.

That said, if there's one lens I would recommend you adding to your current set-up, it would be a prime in the 50mm range. The £80 Canon EF 50mm f/1.8 II will let you experiment with shallow depth of field effects, and it's impressively sharp, too, particularly when stopped down a little. For a bit more money (£205 or so), the Canon EF 50mm f/2.5 Compact Macro is a hugely underrated lens, which will also let you shoot close-ups. However, its slower maximum aperture limits its ability to give nicely blurred backgrounds, and its autofocus system is rather dated. The Canon EF-S 60mm f/2.8



BLAST FROM THE PAST

Olympus E-620

Ian Burley looks at a compact, lightweight DSLR from 2009

LAUNCHED February 2009

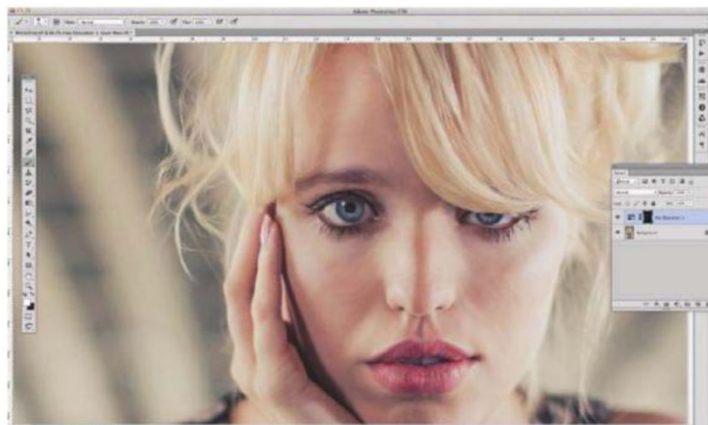
PRICE AT LAUNCH £650

GUIDE PRICE TODAY £195

THE OLYMPUS E-620 is perhaps the camera that best personified the goals of the four thirds system before micro four thirds arrived. It was a compact and lightweight DSLR with an effective sensor-shift image stabilisation system and live view that was a big step up from its Olympus E-system predecessors.

What's good Weighing under 700g with its 14-42mm f/3.5-5.6 Zuiko Digital kit lens, the E-620 is compact and lightweight, despite having a side-hinged swing-out LCD display. The sensor-shift image-stabilisation system works well. An optional battery grip can be fitted and some controls are backlit for use in dark conditions. Colour rendition is notably good.

What's bad At a time when sensor evolution was moving fast, the E-620's 12.3-million-pixel sensor was average rather than outstanding, particularly in low light. Although the E-620's viewfinder is larger than its predecessor's, it has a relatively small view. Avoid the similar E-600, which is a feature-stripped version of the E-620.



To even out skin tones, apply a saturation adjustment layer



SIGMA

PHOTOGRAPH © PAUL HARCOURT DAVIES

SIGMA
3 YEAR UK WARRANTY
For registration and conditions log on to
www.sigma-imaging-uk.com/warranty



SIGMA
10-20^{mm}
F4-5.6
EX DC HSM

For Sigma, Canon, Nikon, Sony and Pentax
Supplied with fitted padded case
and petal type lens hood.
Compatible with APS-C SLRs only.

The ultra-wide-angle capabilities of this Sigma lens open up new possibilities to digital photographers.

Special Low Dispersion (SLD) glass and aspheric lens elements correct aberrations for clear, distinctive image quality at all times. The optical layout allows a minimum focusing distance of 24cm throughout the zoom range and the HSM (Hyper-Sonic Motor) ensures a quiet and high-speed auto focus.

Technical Support

USM Macro is a more modern design, but it costs another £150 or so.

As for an extended zoom, the 70-300mm you already own is about as far as you'll get without having to spend a lot more money on a big, heavy lens. Meanwhile, a fisheye can be fun, but once the novelty wears off, chances are that it will end up as a paperweight.

For movie recording, a Steadicam device is probably the single most useful accessory. Add-on microphones can be useful, too, and for users on a budget we recommend the £60 Opteka VM-100.

Andy Westlake

Understanding giclée

Q I keep seeing the term giclée used for certain prints, but do not know



The term giclée refers to any inkjet prints, such as those from this Epson printer

exactly what it means? Am I correct in thinking that it is just a fancy term for an inkjet print?

Paul Stanfield

A Basically, you are correct, Paul. Giclée is taken from the French word *gicler*, which means to spurt or spray. You will often see the term

applied to fine-art or limited-edition prints, but the reality is that these are just inkjet prints, usually printed using high-quality inks and papers. However, always check the materials if possible, as there is no set standard for when the term giclée can be used, so never read too much into it.

Richard Sibley

HOW IT WORKS

I am your

Bayer filter

I AM A Bayer filter and I am the secret behind the colour in digital images generated by most, if not all, colour digital cameras.

Named after my inventor, Eastman Kodak's Bryce Bayer, I am an integral part of a digital camera image sensor. I am an array, or mosaic, of red, green and blue filters that live above the millions of light-sensitive photosites on the surface of a sensor chip.

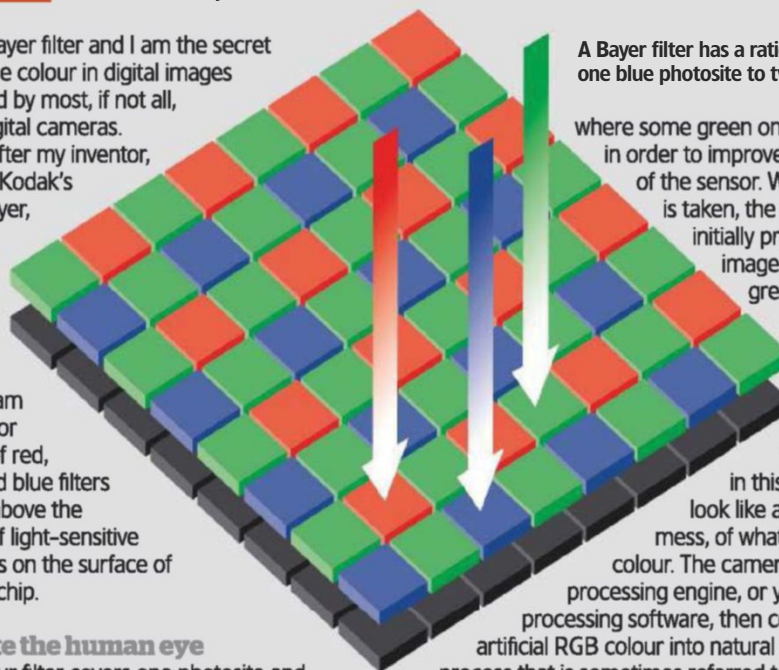
Emulate the human eye

One colour filter covers one photosite and, conventionally, the number of photosites and, therefore, individual colour filters equals the number of sensor pixels. For the sensor to 'see' colour it must record red, green and blue information. I emulate the colour sensitivity of the human eye and so there is a ratio of one red and one blue filtered photosite to two green ones. I also exist in variations where there are two shades of green, like green and emerald, for example. Some modified Bayer filters also incorporate clear filters

A Bayer filter has a ratio of one red and one blue photosite to two green ones

where some green ones should be in order to improve the sensitivity of the sensor. When a picture is taken, the camera initially produces an image file of just red, green and blue pixels, each of varying density. This is essentially what a raw file is. If viewed in this state it would look like a horrible mess, of what we call false colour. The camera's image processing engine, or your raw-processing software, then converts the artificial RGB colour into natural colour via a process that is sometimes referred to as a demosaic stage. Information from neighbouring pixels is used to run a calculation to reveal a 'true' colour for a given pixel. This, as we know, works amazingly well.

I'm not in all cameras, though. One exception is the Foveon sensor, which enables all three red, green and blue filters to illuminate each photosite and so each pixel. On paper, Foveon sensors have better colour resolution, but photographers still debate as to whether or not either system is superior.



The perfect Christmas gift.



- **Go digital, it's free** – every subscription comes complete with a free trial digital version – for iPad and iPhone.
- **FREE Christmas Card** to give to your friend or family member to announce their gift*
- **Convenient home delivery** on all magazine subscriptions



One for them, one for you
Buy two or more online and get **£5 off**

Subscribe online at magazinesdirect.com/CVY4

0844 848 0848

Quote code: CVY4

7 days a week from 8am to 9pm (UK time)

Offer open to new subscribers only. Final closing date for all orders is 2nd February 2015. For full terms and conditions please visit www.magazinesdirect.com/terms.

*If you supply an email address your order will be acknowledged by email and you will be given the option to download a Christmas card or request one by post. If you do not supply an email address you will automatically be sent a postal Christmas card.

Improve your photography

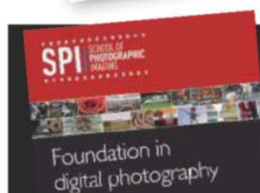


'I started with the SPI Foundation in Photography in 2009 and learned so

much from this course. I always look forward to getting feedback from my tutors and I am currently completing the Foundation in Digital Imaging Techniques course.' Ross Mackenzie



- Study in your own time
- Receive detailed feedback from a professional tutor
- Students are assigned a personal tutor
- Split the monthly payment costs
- Half-price magazine subscriptions
- Subject-specific, bite-sized courses from only £75
- Dedicated student area and online forum



FOUNDATION IN DIGITAL PHOTOGRAPHY

**COURSE FEES ONLY
£299**



COURSE LEVEL **BEGINNER**

- Viewpoint and composition
- How to use your camera's program modes
- All about lenses
- Sharpening your image
- Formatting, sizing and printing
- ISO, flash, exposure and white balance setting
- Basic image editing

For detailed course contents or to enrol call **0203 148 4326**
or visit **WWW.SPI-PHOTOGRAPHY-COURSES.COM**

Please quote
ref: SPI007

What you will need

- Clean food tub
- Old mouse mat
- Scissors
- Aluminium foil

PHOTO HACKS

DIY food-tub softbox

For the cost of a takeaway, you can make a basic softbox for your flashgun

THERE are any number of DIY light modifiers that you can make to use with a flashgun, and the vast majority aim to soften the harsh, direct light that a flashgun creates. Of all the modifiers that you can make, though, this softbox, made from a plastic takeaway container or an ice-cream tub, is one of the simplest. It can also be customised in a number of ways to make it suitable for your style of photography. If you want a nicer-looking finish, you can even paint the outside of the product black.

Best of all, so long as you have a semi-opaque container, you should have all the other items needed to make the DIY softbox around the house, so it shouldn't cost you a penny.



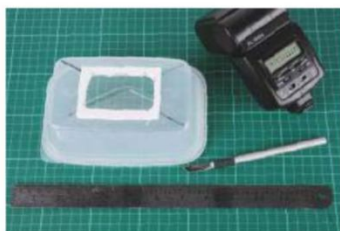
You can make an inexpensive softbox from a takeaway container

HOW TO MAKE YOUR SOFTBOX



1 Create a hole for the flashgun

Take the empty takeaway container or ice-cream tub and find the centre. You do this by drawing two lines from opposite diagonal corners. Place your flashgun in the centre of the tub and draw around the face of the flash. Cut out an area that is the same shape, but slightly larger than the one that has just been marked.



2 Cut a foam strip

To help hold the softbox in place, cut a strip of foam, from a mouse mat or similar, that is about 2cm wide and the circumference of the hole that has been cut. When you put the flashgun head in the hole, the foam should hold the softbox in position.



3 Test it out

Now simply put the lid back on the container and put your flash on the back. The foam should help to hold the flash in place. Simply fire the flash through the diffused lid and it will soften your images. For even better results, line the inside of the tub with some aluminium foil, leaving a hole for the flash.



WIN A LEICA M

AND SUMMARIT-M 50mm f/2.5

TO CELEBRATE AP's 130th anniversary, we are giving you the chance to win a Leica M, along with a Leica Summarit-M 50mm f/2.5 lens. To enter the *Amateur Photographer/Leica* prize draw, collect six differently numbered tokens and fill in one of the forms published in either AP 11 October (includes token 1) or AP 18 October (includes token 2). It can also be downloaded online at www.amateurphotographer.co.uk/apis130. Token 6 is published here, token 7 will appear in AP 22 November and token 8 in AP 29 November. Send your completed coupon and six tokens in an envelope to: *Amateur Photographer/Leica Competition*, 9th Floor, Blue Fin Building, 110 Southwark Street, London, SE1 0SU.

The closing date for receipt of the completed form is Friday 5 December 2014.



For full details and terms and conditions please see www.amateurphotographer.co.uk/apis130

Marketplace

Dealer and Classified Guide

To advertise please call 020 3148 2508 Fax 020 3148 8155

Email julia.laurence@timeinc.com


Index to advertisers

Cameworld.....	70-71	Intro 2020 Ltd	18
Camtech.....	54, 61	Kenro Ltd.....	54
Canon (UK) Ltd	17	LCE Group	74-75
Clifton Cameras.....	45	Manfrotto Dist Ltd	27
Digital Depot	50	Mifsud Photographic	78-79
Fjorides Photographic Ltd.....	76-77	Nicholas Camera Company.....	66
Fujifilm (UK) Ltd.....	Cover: iv	Nikon UK Ltd.....	Cover: ii
Grays of Westminster.....	32-33, 54	Park Cameras Ltd.....	67-69, Cover: iii
		Pny Technologies Europe.....	21
		Premier Ink & Photographic	72-73
		Richard Caplan.....	65
		Sigma Imaging.....	56
		Sony Information Technology	9
		SRS Ltd.....	60
		T4 Cameras	65
		Tiffen International Ltd	37
		Wex Photographic.....	62-64

Classified 80-81

SRS Microsystems
www.srsmicrosystems.co.uk
 Mail Order Hot Line 01923 226602

PENTAX K-3
 Weather resistant body with 92 protection seals
 24 MP stabilised AA filter-less CMOS sensor
 Full HD recording with 60/30 fps frame rate
 Continuous shooting 8.3 fps up to 60 JPEG and 23 RAW
 SAFOX 11 AF module with 27 AF points (25 cross)
 86000 pixels RGB exposure meter
 Sensitivity up to 51200 ISO
 Dual SD card slot



90-92 THE PARADE, HIGH STREET, WATFORD, HERTS. WD17 1AW

WANT TO UPGRADE?
 We buy digital SLR lenses & cameras!
 Call us for a price today

We now have all our second hand equipment on our website

Independent Retailer of the Year winner at this year's Pixel Trade Awards

PENTAX

SIGMA

OLYMPUS

DA* 16-50mm F2.8 ED SDM	£819	6-16/4.5-5.6 DC HSM	£499	9-18mm F4.5-5.6 Lens	£479
DA* 50-135mm F2.8 ED SDM	£849	10-20/4.5-6.3 EX DC HSM	£349	30mm F8 Fisheye Body Cap Lens	£25
DA* 55mm F1.4 ED SDM	£399	10-20/3.5 EX DC HSM	£389	12mm F2 Lens	£549
DA* 60-250mm F4 ED SDM	£1069	12-24/4.5-5.6 II DG HSM	£579	15mm F8 Body Cap Lens	£59
DA* 200mm F2.8 ED SDM	£745	17-50/2.8 EX DG OS HSM	£299	17mm F1.8 Lens	£359
DA* 300mm F4 ED SDM	£949	17-70/2.8-4.5 DC OS 'C'	£329	12-50mm F3.5-6.3 Lens	£279
HD DA 15mm F4 Limited	£479	18-35/1.8 DC HSM 'A'	£649	12-40mm F2.8 PRO Lens	£799
HD DA 20-40mm F2.8-4 DC WR	£739	18-200/3.5-6.3 DC Macro OS HSM 'C'	£269	14-42mm F3.5-5.6 E2 Lens	£299
HD DA 21mm F2.8 Limited	£449	18-250/3.5-6.3 DC Macro OS HSM	£299	25mm F1.8 Lens	£319
HD DA 35mm F2.8 Macro Limited	£519	24-70/2.8 IF EX DG HSM	£599	45mm F1.8 Lens	£219
HD DA 40mm F2.8 Limited	£349	24-105/4 DG OS HSM 'A'	£689	60mm F2.8 Macro Lens	£359
HD DA 70mm F2.4 Limited	£499	30/1.4 DC HSM 'A'	£369	75mm F1.8 Lens	£599
HD DA 55-300mm F4-5.8 WR	£359	35/1.4 EX HSM 'A'	£649	75-300mm F4.0-6.7 II Lens	£379
HD DA 560mm F5.6 AW	£4299	50/1.4 EX DG HSM	£329		
HD DA 1.4x Rear Converter	£379	50/2.8 Macro EX DG	£249		
10-17mm F3.5-4.5 Fisheye	£329	50-150/2.8 APO EX DC OS HSM	£729		
12-24mm F4 Lens	£479	50-500/4.5-6.3 DG OS HSM	£999		
17-70mm F4 SDM	£449	70-200/2.8 EX DG OS HSM	£799		
18-270mm F3.5-6.3 SDM	£419	70-300/4.5-6.6 DG Macro	£99		
35mm F2.4	£119	70/2.8 EX DG Macro	£349		
50mm F1.8	£115	85/1.4 EX DG HSM	£669		
50mm F2.8 Macro	£299	105/2.8 EX Macro DG OS HSM	£379		
100mm F2.8 Macro	£439	120-300/2.8 EX DG OS HSM 'S'	£2599		
FA 31mm F1.8 Limited	£1029	120-400/4.5-5.6 APO OS HSM	£619		
FA 35mm F2	£399	150/2.8 APO Macro DG OS HSM	£699		
FA 43mm F1.9 Limited	£509	150-500/5.6-6.3 APO DG OS	£729		
FA 50mm F1.4	£299	180/2.8 APO Macro DG OS HSM	£1199		
FA 77mm F1.8 Limited	£749				
		EF 610 DG Flash	£99		
		EF 610 DG Super Flash	£175		

Nikon
 D4S D810
IN STOCK

Nikon
 D610
IN STOCK

Nikon
 D5200
From £429

Nikon
 D3200
From £279

10-24/3.5-4.5 AF-S DX £639
 105/2.8G AF-S VR Macro £1619
 14-24/2.8 £1299
 16-35/4G VR AF-S £829
 18-85/3.5-5.6 VR AF-S DX £439
 18-105/3.5-5.6G AF-S VR £175
 18-140/3.5-5.6G AF-S VR £499
 18-200/3.5-5.6 VR AF-S DX £509
 18-300/3.5-5.6 VR AF-S DX £679
 18-55/3.5-5.6G AF-S VR £119
 24/1.4G AF-S ED £2499
 24-70/2.8G AF-S ED £1399
 24-85/3.5-5.6G AF-S VR £429
 24-120/4G AF-S VR IF £819
 28-300/3.5-5.6G ED VR AF-S £649
 35/1.4G AF-S £1399
 35/1.8G AF-S £149
 40/2.8G Micro AF-S DX £185
 50/1.4G AF-S £279
 50/1.8 D £114
 50/1.8G AF-S £159
 55-200/4.5-5.6G AF-S DX VR £179
 55-300/4.5-5.6G ED VR AF-S DX £239
 60/2.8 AF-S Micro £389
 70-200/2.8G ED VR AF-S £1579
 70-300/4.5-5.6G AF-S VR £399
 85/1.4G AF-S £1199
 85/1.8G AF-S £379
 85/2.8G ED VR AF-S DX Micro £375
 SB 700 Flash £229
 SB 910 Flash £339

Panasonic
 GX7
From £529

Panasonic
 G6
From £419

Panasonic
 GH3
From £699

Panasonic
 GH4
From £1299

Panasonic
 7-14mm F4 £649
 25mm F1.4 Leica DG £429
 12-35mm F2.8 X Vario OIS £619
 14-42mm F3.5-5.6 OIS £79
 14-42mm F3.5-5.6 X Vario PZ OIS £279
 14-140mm F3.5-5.6 OIS £689
 20-60mm F2.8 II £299
 35-100mm F2.8 X Vario OIS £299
 45-175mm F4-5.6 X Vario PZ OIS £299
 45mm F2.8 Leica DG OIS £549
 45-200mm F4-5.6 OIS £249
 100-300mm F4-5.6 OIS £419

OLYMPUS E-M10
From £499

OLYMPUS E-PL6
From £429

OLYMPUS E-PL7
From £349

OLYMPUS OM-D E-M5
FROM £589

E&OE

Specialists in fine pre-owned cameras, lenses, binoculars and accessories

NEXT DAY DELIVERY GUARANTEED

Digital Photography

[illegible]

Canon Autofocus, Digital Lenses, Canon FD

[illegible]

CANON A42 FL FINDER	MINI CASED \$360.00
CANON ANGLE FINDER	MINI BOXED \$780.00
CANON 420 BATTERY AND RECEIVER	MINI \$115.00
CANON PB-2 TRANSFER FROM CANON EASY11N3 etc.	MINI \$75.00
SIGMA 5mm 1:2.8 EX DC ISM CIRCULAR P/NITE	MINI BOXED \$475.00
SIGMA 10mm 1:2.8 EX DC MACRO P/NITE	MINI BOXED \$435.00
SIGMA 14mm 1:2.8 EX DC CANON FIT	MINI BOXED \$345.00
SIGMA 30mm 1:1.4 EX DC ISM CANON FIT	MINI BOXED AS NEW \$190.00
SIGMA 105mm 1:2.8 EX DC MACRO SUPERS SHARP LENS	MINI BOXED \$265.00
SIGMA 105mm 1:2.8 EX DC MACRO	MINI CASED \$250.00
SIGMA 8 - 16mm 14/5.6 ASP MCRH	MINI CASED \$390.00
SIGMA 8 - 300mm 14/5.6 ASP ISM + HOOD	MINI - \$59.00
SIGMA 70 - 300mm 14/5.6 ASP MACRO DC HO	MINI BOXED \$165.00
SIGMA 50mm 1:5.6 DC ASP HOOD STABIL	MINI BOXED \$54.00
SIGMA 175 - 500mm 1:5.6 ASP COMP WITH HOOD	MINI BOXED \$175.00
TAMRON 50mm 1:2.8 SP DI MACRO LENS	MINI BOXED \$225.00
TAMRON 28mm 1:3.5 ASP HO	MINI BOXED \$115.00
TAMRON 35mm 1:3.5 ASP 1:4 DI ASP VB CONTROL	MINI BOXED \$375.00
TAMRON 55 - 300mm 14/5.6 DI MACRO DI	MINI BOXED \$165.00
MINIING 175 - 500mm 1:5.6 ASP DI AT X LENS LATEST	MINI BOXED \$165.00
TOKINA 12 - 24mm 1:4 ASP ASP DI ASP DI AT X PRO	MINI BOXED \$265.00

Contax 'G' Compacts & SLR & Ricoh

CONTA 62 BODY WITH STRAP & MANUAL	MINT-3 OXED \$665.00
CONTA C61 BODY WITH STRAP	EXC+++ \$165.00
CONTA TX TITANIUM COMPOSITE & LEATHER CASE	MINT CASHED \$345.00
CONTA 90mm 128 SONNAR "G" + WOOD	MINT- \$185.00
CONTA 140 FLASH FOR 61/62	MINT CASHED \$95.00
CONTA 124 FLASH FOR 61/62	MINT CASHED \$90.00
CONTA G01 DATABASE FOR CONTA T3.	MINT-8 OXED \$99.00
CONTA SA-2 FLASH ADAPTOR	MINT \$55.00
CONTA AX AUTOFOCUS BODY (RARE NOW)	MINT- \$365.00
CONTA FIT YASHICA 28mm 128 PANCREAS	MINT \$95.00
CONTA 45mm 128 TESSAR 128 SUPERCA LENS + WOOD	MINT \$225.00
CONTA 135mm 72.8 FLANAR 128	MINT \$225.00
CONTA 135mm F2.8 SONNAR T. MM	EXC+++ OXED \$195.00
CONTA 124 FLASH	MINT- \$95.00

Leica 'M', 'R' & Screw & Binoculars

[illegible][illegible]

Hasselblad

HASSELBLAD 503 Cxi BODY + WLF	MINT	\$485.00
HASSELBLAD 509mm 1/4 FOR XPAN	MINT-IN KEEPER	\$275.00
HASSELBLAD 5000LH BODY + A12 BLACK BACK	EXC	\$299.00
HASSELBLAD 5000 1/4 CF FLE OSTATON + HOOD	MINT BOXED	\$599.00
HASSELBLAD 450mm PRD FLASH COMPLETE	MINT BOXED USED	\$145.00
HASSELBLAD A12 BACK	EXC	\$99.00
HASSELBLAD CW WINDER + REMOTE	MINT	\$299.00
HASSELBLAD PLAIN PRISM	EXC	\$75.00
HASSELBLAD PM PRISM	MINT	\$199.00
HASSELBLAD 5000M/503 WLF BLACK	MINT	\$125.00
HASSELBLAD EXTENSION TUBE 166 F	MINT	\$75.00

Nikon Auto-Focus, Digital Lenses & Accessories

[illegible]

TAMRON 17 - 35mm f2.8/4 SP A/F DI ASPHERIC.....	MINT BOXED	£225.00
TAMRON 17 - 50mm f2.8 XR Di II VC WITH MOTOR.....	MINT BOXED	£265.00
TAMRON 28 - 300mm f3.5/6.3 IF LD DI ASPHERIC VC.....	MINT+HOOD	£399.00
TAMRON 55 - 200mm f4.5/6 LD MACRI Di II.....	MINT BOXED	£99.00
TOKINA 35mm f2.8 ATX-PRO DX MACRO 1:1 (LATEST).....	MINT BOXED	£295.00
TOKINA 12 - 24mm f4 IF DX ASPHERICAL AT-X PRO.....	MINT+HOOD	£299.00
TOKINA 16 - 50mm f2.8 ASPHERICAL AT-X PRO DX.....	MINT BOXED	£75.00

Nikon Manual

NIKON F3 HP BODY COMPLETE WITH MANUAL	MINT BOXED \$475.00
NIKON F3 HP BODY	EXC+ = \$190.00
NIKON F3 BODY REALLY CLEAN BODY	MINT = \$270.00
NIKON F3 BODY	MINT = \$250.00
NIKON F2 PHOTOMIC S & LK WITH NIKKOR 50mm 1:1.4	MINT = \$385.00
NIKON F2 WITH VELOMET DRIVE + 50mm 1:2 NIKKOR	MINT = \$350.00
NIKON F2 PLAN PRISM (VERY SLIGHT DINK ON PRISM)	EXC++ = \$345.00
NIKON F2 PHOTOMIC BODY CHROME	MINT = \$345.00
NIKON FE2 BODY CHROME	EXC++ = \$145.00
NIKON FE2 BLACK BODY	EXC++ = \$145.00
NIKON FE CHROME AIS	MINT = \$59.00
NIKON FM2N CHROME BODY	MINT = \$265.00
NIKON FM2N CHROME BODY	EXC++ = \$145.00
NIKON FM2 BLACK BODY	MINT = \$190.00
NIKON FM2 BLACK BODY	EXC++ = \$145.00
NIKON FM2 CHROME AIS	MINT = \$75.00
NIKKORMAT F72 BODY CHROME	MINT = \$270.00
NIKKORMAT F72 BODY CHROME	MINT = \$270.00
NIKON F3 CF 100 BERGUNDY CASE F3 WITH M4 (RARE)	EXC++ = \$190.00
NIKON F3 CF 20 BERGUNDY CASE FOR F3	MINT = \$190.00
NIKON 28mm 1:1.8 AIS	MINT = \$115.00
NIKON 45mm 1:2.8 G NIKKOR	MINT = \$190.00
NIKON 50mm 1:1.8 AIS	MINT = \$190.00
NIKON 50mm 1:1.4 AIS	MINT = \$185.00
NIKON 50mm 1:2.8 MICRO NIKKOR AIS	MINT = \$165.00
NIKON 50mm 1:2.8 MICRO (COLLAPSE MOUNT)	MINT BOXED \$275.00
NIKON 100mm 1:2.8 AIS SERIES E GREAT PORTRAIT LENS	MINT = \$270.00
NIKON 105mm 1:4 AIS MICRO NIKKOR	MINT = \$275.00
NIKON 135mm 1:2.8 AIS SHORT TELEPHOTO B/H HODDER	MINT = \$195.00
NIKON 200mm 14 NIKKOR O	MINT CASSED \$550.00
NIKON 200mm 1:2.8 IF WITH TAMRON 1:4 EXTENDER	MINT = \$550.00
NIKON 50mm 18MIRROR LENS WITH FILTER SET	MINT CASSED \$290.00
NIKON 35 - 70mm 1:3.5-4.5 ZOOM NIKKOR MACRO AIS	MINT = \$160.00
NIKON 35 - 105mm 1:3.5-4.5 AIS ZOOM MACRO	MINT BOXED \$190.00
NIKON 35 - 105mm 1:3.5-4.5 AIS ZOOM MACRO	EXC+ = \$130.00
NIKON 35 - 135 3.5-4.5 AIS ZOOM	EXC+ = \$130.00
NIKON 43 - 86mm 1:3.5 AIS ZOOM	EXC+ = \$69.00
NIKON 70 - 210mm 1:4.5-5.6 NIKKOR	MINT BOXED \$65.00
NIKON 75 - 150mm 1:3.5 SERIES E ZOOM TELEPHOTO	MINT = \$75.00
NIKON PBB BELLOWS WITH DOUBLE CLASP RELEASE	MINT = \$170.00
NIKON 24-70 2.8-4.0 ZOOM BACK FOR F45/F46	MINT = \$49.00
NIKON MD102 MOTOR DRIVE FOR FM3a/FM2/F2/F3/F5/F6	EXC+ = \$79.00
NIKON PK13 AUTO EXTENSION RING	MINT BOXED \$55.00
NIKON PK12 AUTO EXTENSION RING	EXC+ = \$49.00
NIKON PK11 AUTO EXTENSION RING	MINT \$49.00
NIKON TC 16A TELECONVERSION A/F	MINT = \$79.00
NIKON TC 200 CONVERTER	MINT \$69.00
NIKON TC 201 CONVERTER	EXC+ = \$89.00
NIKON TC 301 CONVERTER	MINT = \$145.00
NIKON 55mm F1.8 55mm F2.8 F3/F2/F3/F2/F3/F2/F3	MINT CASSED \$110.00
NK SB 18 FLASH FOR F3	MINT CASSED \$75.00

Olympus Manual

OLYMPUS OM11 BLACK BODY	EXC + BOXED \$390.00
OLYMPUS OM BODY BLACK REALLY NICE CONDITION	MINT CASD \$296.00
OLYMPUS OM2SP SPOT BODY COMP WITH CASE	EXC + CASD \$120.00
OLYMPUS SPOT SPOT BODY COMP WITH CASE	EXC + CASD \$119.00
OLYMPUS OM2N WITH LEATHER CASE	MINT - \$125.00
OLYMPUS OM2N WITH LEATHER CASE	EXC - \$110.00
OLYMPUS OM2 BL	EXC - \$80.00
OLYMPUS OM2 BODY CHROME	MINT BOXED \$110.00
OLYMPUS 16mm f3.5 FISHEYE LIGHT COATING MARK	MINT - \$240.00
OLYMPUS 21mm f3.5 ZUIKO WITH VERY RARE HOOD	MINT - \$225.00
OLYMPUS 24mm f2.8 ZUIKO WITH HOOD	MINT BOXED + HOOD \$160.00
OLYMPUS 28mm f2.8 ZUIKO	MINT - \$220.00
OLYMPUS 28mm f2.8 ZUIKO	MINT CASD \$55.00
OLYMPUS 28mm f3.5 ZUIKO	MINT CASD \$55.00
OLYMPUS 35mm f2 ZUIKO WITH HOOD	MINT BOXED \$175.00
OLYMPUS 35mm f2 ZUIKO WITH HOOD	MINT - \$155.00
OLYMPUS 35mm f2.8 ZUIKO CONTROL PC LENS	MINT \$240.00
OLYMPUS 35mm f2.8 ZUIKO	MINT - \$59.00
OLYMPUS 50mm f1.4 ZUIKO	MINT CASD \$79.00
OLYMPUS 50mm f1.8 ZUIKO	MINT BOXED \$55.00
OLYMPUS 50mm f1.8 ZUIKO	MINT \$45.00
OLYMPUS 50mm f1.8 ZUIKO	MINT - \$120.00
OLYMPUS 85mm f2 ZUIKO SUPERB PORTRAIT LENS	MINT BOXED \$225.00
OLYMPUS 85mm f2 ZUIKO SUPERB PORTRAIT LENS	MINT - \$195.00
OLYMPUS 135mm f2.8 ZUIKO	MINT BOXED \$55.00
OLYMPUS 135mm f3.5 ZUIKO	MINT CASD \$49.00
OLYMPUS 180mm f2.8 ZUIKO	MINT - \$299.00
OLYMPUS 35 - 70mm f3.5/4.5 ZUIKO	MINT - \$99.00
OLYMPUS 35 - 70mm f4 ZUIKO	MINT - \$75.00
OLYMPUS 35 - 70mm f3.5/4.5 ZUIKO	MINT \$75.00
OLYMPUS 50 - 250mm f5 ZUIKO	MINT - \$79.00
OLYMPUS 75 - 150mm f4 ZUIKO	MINT CASD \$59.00
OLYMPUS WINDER II	MINT BOXED \$45.00
OLYMPUS WINDER II	MINT - \$39.00
OLYMPUS T20 FLASH	MINT BOXED \$29.00
OLYMPUS T20 FLASH	MINT CASD \$20.00
OLYMPUS F280 FLASH UNIT	EXC + BOXED \$49.00
OLYMPUS VARIOGRAPHFINDER	MINT BOXED \$98.00
OLYMPUS EXT TUBE 14mm, 25mm	MINT - \$50.00

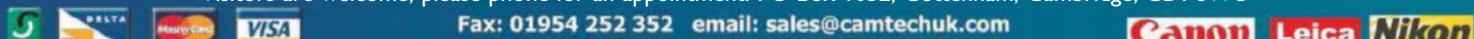
wanted...

We urgently require your used photographic equipment. We have customers waiting for: Nikon, Canon, Leica, Contax, Bronica, Hasselblad and most other makes of camera lenses, accessories, binoculars and collectables.

We will buy for cash from you, or we are happy to sell on your behalf on a commission basis. Best prices paid. We can arrange collection and even call and collect and pay on the spot if necessary anywhere in the UK.

Visitors are welcome, please phone for an appointment. PO Box 1052, Cottenham, Cambridge, CB4 8WU

Fax: 01954 252 352 email: sales@camtechuk.com





wex photographic

Retailer of the Year, Good Service Award winner 2014
and Best Online Retailer 2002-2013.
Good Service Awards winner 2008-2014.

THE WEX PROMISE: Over 16,000 Products | Free Delivery on £50 or over** | 28-Day Returns Policy†



Nikon 1 V3
From **£729**

NEW Nikon 1 V3 Body **£729**
NEW Nikon 1 V3 +10-30mm lens
+ EVF + Grip **£1049**

Nikon 1 AW1 + 11-27.5mm
Silver, White or Black **£599**
V2 + 10-30mm Lens **£649**



D3300 Body **£379**

D3300 Body **£349 inc. £30 Cashback***
Price you pay today **£379**
+ 18-55mm VR II **£374 inc. £30 Cashback***
Price you pay today **£399**

D3200 Body.....**£279**
D3200 + 18-55mm f3.5-5.6 VR II**£339**



D5300 From **£504**

D5300 Body **£454 inc. £50 Cashback***
Price you pay today **£504**
+ 18-55mm VR II **£529 inc. £50 Cashback***
Price you pay today **£579**

+ 18-140mm VR **£789 inc. £50 Cashback***
Price you pay today **£839**



D7100 From **£808**

D7100 Body **£808**
D7100 +18-105mm VR **£939**



D610 From **£1285.91**

D610 Body **£1285.91**
D610 + 24-85mm **£1749**



NEW D750 From **£1799**

NEW D750 Body **£1799**
NEW D750 + 24-85mm **£2249**
NEW D750 + 24-120mm **£2349**



D810 Body **£2499**

D810 body **£2499**



D4s Body **£4679**

D4s Body **£4679**

Canon Cashback* ends 21.01.15

For 2-year warranty on any camera and lens kit simply register your new Nikon within 30 days of purchase. Offer applies to UK & Republic of Ireland stock only. Call 0800 597 8472 or visit www.nikon.co.uk/register

SONY



A7s Body **£2099**

NEW A7s Body **£2099**
A7R Body **£1511**
A7 Body **£1099**
A7 + 28-70mm **£1229**

RECOMMENDED LENSES:
Sony FE 55mm F1.8 ZA Carl Zeiss Sonnar T* **£749**
Inc. £100 Cashback* Price you pay today **£849**
Sony FE 35mm F2.8 ZA Carl Zeiss Sonnar T* **£699**

A6000 Black or Silver



A6000 Body **£499** Inc. Cashback

NEW A6000 Body **£499** including **£50 Cashback***
Price you pay today **£519**
NEW A6000 + 16-50mm PZ **£549** including **£50 Cashback***
Price you pay today **£579**

Sony Cashback* ends 25.01.15

A77 II



A77 II Body **£930**

NEW A77 II + 16-50mm **£1399**
A99 Body **£1799**
A58 + 18-55mm **£339**
A58 + 18-55mm
+ 55-200mm **£499**

RECOMMENDED LENSES:
Sony 50mm f1.4 **£299**
Sony 16-50mm f2.8 DT SSM **£479**

Panasonic



GH4 From **£1099** Inc. Cashback

GH4 Body **£1099** inc. Cashback*
Price you pay today **£1199**
+ 14-140mm f3.5-5.6
£1549 inc. Cashback*
Price you pay today **£1649**

GH3 body **£499** inc. Cashback*
Price you pay today **£599**

GX7 Black or Silver



GX7 Body **£499**

GX7 + 14-42mm **£549** inc. **£50**
C/back* Price you pay today **£599**
GX7 + 20mm lens **£649** inc. **£50**
C/back* Price you pay today **£699**

Panasonic Cashback* ends 12.01.15

OLYMPUS



OM-D E-M10 From **£499**

OM-D E-M10 Body **£499**
OM-D E-M10 +14-42mm Electronic Zoom **£659**

OM-D E-M1 Body **£949**
OM-D E-M1 + 12-50mm **£1249**
OM-D E-M1 + 12-40mm **£1699**
OM-D E-M5 Body **£589**
OM-D E-M5 + 12-50mm **£749**

E-P5 Silver, Black or White



E-P5 Body **£599**

E-P5 + 14-42mm **£699**
E-P5 + 17mm + VF-4
Electronic Viewfinder **£1049**
E-PL5 + 14-42mm **£319**
E-PL6
+ 14-42mm EZ **£429**
RECOMMENDED LENSES:
Olympus 12mm f2.0 ED **£899**
Olympus 17mm f1.8 **£369**

PENTAX



K-3 From **£849**

K-3 Body **£849**
K-3 +18-135mm **£1129**
NEW K-3 Limited edition
with Battery grip **£1099**
K-5 II + 18-55mm WR **£649**
K-5 IIs Body **£698**
K-50 **£349**
K-500 **£359**

FUJIFILM



X-E2 From **£459** Inc. Cashback

X-E2 Body **£459** Inc. Cashback*
price you pay today **£549**
X-E2 + 18-55mm
£729 Inc. Cashback*
price you pay today **£829**
RECOMMENDED X-MOUNT LENSES:
Fujinon 35mm f1.4 R **£399**
Fujinon 60mm f2.4 R **£434**

X-T1



X-T1 Body from **£849** Inc. Cashback

X-T1 + 18-55mm
£1199 Inc. Cashback*
price you pay today **£1299**
X-E1 + 18-55mm
+ **FREE** lens worth **£349** **£579**
X-Pro1 + 2 **FREE** lenses
worth **£738** **£799**
Fujifilm Cashback* ends 11.01.15



Wex Photographic is the Best Online Shop according to Which?'s annual survey of its members

Source: Which? members' annual survey - June-July 2014

CALL CENTRE NOW OPEN SATURDAYS
01603 208761

Mon-Fri 7am-8pm, Sat 9am-6pm

visit www.wex.co.uk

Visit our **Norwich Showroom** - open from 10am Daily
Drayton High Road, (opposite ASDA) Norwich. NR6 5DP.

THE WEX PROMISE: Part-Exchange Available | Used items come with a 12-month warranty^{††}

Canon

NEW

EOS 7D Mark II

20.2 megapixels
10.0 fps
1080p movie mode

up to £250 CASHBACK*
when bought with selected Canon lenses

The new EOS 7D Mark II – built for speed

Designed to capture every moment, the new 7D Mk II comes with a 20.2MP APS-C CMOS sensor, Dual DIGIC 6 processors and a 65-point cross-type AF system, capturing images at a speed of 10fps with ISO up to 16,000 (expandable to 51,200).

NEW 7D Mark II Body £1599
NEW 7D Mark II + 18-135mm f3.5-5.6 IS STM £1898 Inc. £60 Cashback*
Price you pay today **£1958**

NEW 7D Mark II + 70-200mm f2.8L IS II USM £3048 Inc. £250 Cashback*
Price you pay today **£3298**

NEW 7D Mark II £1599

Canon

EOS 700D

18.0 megapixels
5.0 fps
1080p movie mode

£50 CASHBACK*

700D From £479

700D Body £429 Inc. £50 Cashback*
Price you pay today £479

+ 18-55mm IS STM £499 Inc. £50 C/Back*
Price you pay today £549

+ 18-135mm IS STM £669 Inc. £50 C/Back*
Price you pay today £719

+ 18-135mm IS STM + 40mm STM £809 Inc. £50 Cashback*
Price you pay today £859

Canon

70D

20.2 megapixels
7.0 fps
1080p movie mode

£60 CASHBACK*

70D From £765

70D Body £765 Inc. £50 Cashback*
Price you pay today £815

70D + 18-55mm f3.5-5.6 IS STM £884 Inc. £50 Cashback*
Price you pay today £933

70D + 18-135mm f3.5-5.6 IS STM £1020 Inc. £50 Cashback*
Price you pay today £1070

Canon

EOS 7D

18.0 megapixels
8.0 fps
1080p movie mode

7D Body £699

7D Body £699
7D + 18-135mm f3.5-5.6 IS £999.97
7D + 15-85mm f3.5-5.6 IS USM £1319.97

Canon

EOS 6D

20.2 megapixels
4.5 fps
1080p movie mode
Full Frame CMOS sensor

£80 CASHBACK*

6D Body From £1299

6D Body £1219 Inc. £80 Cashback*
Price you pay today **£1299**

NEW 6D + 24-70mm f4.0L IS USM £1819 Inc. £80 Cashback*
Price you pay today **£1899**

Canon

5D Mark III

22.3 megapixels
6.0 fps
1080p movie mode
Full Frame CMOS sensor

5D Mark III Body From £2299

5D Mark III Body £2299
5D Mark III + 24-105mm f4.0L IS USM £2899
5D Mark III + 24-70mm f2.8L £3799

Canon

EOS 1Dx

18.1 megapixels
12.0 fps
Full Frame CMOS sensor

1Dx Body £4845

CUSTOMER REVIEW: EOS 1D X Digital SLR Camera Body
★★★★★
"...honestly say that I have never been so excited about my equipment"
Snapperfish - Oxford

CUSTOMER REVIEW: EOS 1D X Digital SLR Camera Body
★★★★★
"...bought this as an upgrade to the 5D Mk 2 and have never looked back."
Dove - Cornwall

CUSTOMER REVIEW: EOS 1D X Digital SLR Camera Body
★★★★★
"...The full frame sensor is superb"
Sandan Cath - Luton

Canon xmas cashback* ends 21.01.15
Canon lens cashback* ends 31.01.15

★★★★★ **CUSTOMER PRODUCT REVIEWS** ★★★★★
There are currently over 7000 product reviews on our site – visit us today to read what our customers think of the products we sell!

Trade in, to trade up

Trade in without fuss – the Wex Part-Ex Promise

www.wex.co.uk/part-ex

Tripods

Manfrotto

Imagine More

MT190XPRO3
• 178cm Max Height
• 16cm Min Height

Mountaineer Carbon eXact Tripod:

GT0532.....£479
GT1532.....£559
GT2542.....£679
GT3542L.....£794

Manfrotto

Imagine More

MT190XPRO3
• 160cm Max Height
• 9cm Min Height

MT190XPRO3.....£159
MT190XPRO4.....£169
MT190CXPRO3 Carbon Fibre.....£299
MT190CXPRO4 Carbon Fibre.....£299
MT190XPRO3 + 496RC2 Ball Head.....£139
MT190XPRO4 + 496RC2 Ball Head.....£219

Tripod Christmas Deals

Manfrotto

Imagine More

FREE 234RC Head Worth £26

Manfrotto 679B Monopod Only £44.95

GIOTTO

SAVE £131 RRP £260

YTL8353 3D Carbon Fibre Only £129

Flashguns & Lighting Accessories

Canon Speedlites:

430EX II £209
600EX-RT £465

Macrolites:

MR-14EX £469
MT-24EX £749

Nikon Speedlights:

SB700 £229
SB910 £339
R1 Close-Up £415
R1C1 £559

Kits:

HVL-F43M £275
HVL-F60AM £459

SONY Flashguns:

FL-300R £134.99
FL-600R £299

OLYMPUS Flashguns:

AF 540FGZ £349
AF 360FGZ £225

PERITA Flashguns:

24 AF-1 £49.99
44 AF-1 £139.99
52 AF-1 £199.99
58 AF-2 £249

Macro flash:

15 MS-1 £279

SIGMA Flashguns:

EF 610 DG ST £109.99
EF 610 DG Super £149.99

Nissin Flashguns:

MG8000 £349
Di622 II.....£114.99
Di700.....£159
Di866 Mark II.....£199

SUNPAK Flashguns:

P242X £99
PF30X.....£74.99
16R Pro.....£337.99

SEKONIC

Sekonic L-308s £149
Pro 478DR £324.99
DigiPro F £159.99

GOSSEN

MiniTT1 £149
FlexTT5 £149

Plus III Set £229
PlusX Set £139.99

Sand Bag £9.99

3m Background Support £99

Light Stands From £10.99

Softlite Reflector Kits Inc Honeycomb & Diffuser:
42cm £49
55cm £69
70cm £129

Rogue

FlashBender From £23.99

INTERFIT

Folding Softbox From £54.99
Reflector Bracket £24.99

Westcott

Micro Apollo £25.99
Collapsible Umbrella Flash Kit £65

Lastolite

Ezybox Softbox £44.99
Ezybox Hotshoe From £89.99
EzyBalance Grey £19.99
Background Support £124.99
TriFlip Kits From £69.99
Urban Collapsible £165

Reflectors:
30cm £12.50
50cm £22.99
75cm £34.99
95cm £59
120cm £74.99

Off Camera flash Cord From £30.99

Tilthead £17.99

Terms and Conditions All prices incl. VAT at 20%. Prices correct at time of going to press. FREE Delivery** available on orders over £50 (based on a 4-day delivery service). For orders under £50 the charge is £2.99** (based on a 4-day delivery service). For Next Working Day Delivery our charges are £4.99**. Saturday deliveries are charged at a rate of £8.95** (**Deliveries of very heavy items, or to some European countries, N.I., remote areas of Scotland & Ch. Isles may be subject to extra charges). E & O.E. Prices subject to change. Goods subject to availability. Live Chat operates between 8am-7pm Mon-Fri and may not be available during peak periods. *Subject to goods being returned as new and in the original packaging. Where returns are accepted in other instances, they may be subject to a restocking charge. **Applies to products sold in full working condition. Not applicable to items specifically described as "IN" or incomplete (ie. being sold for spares only). Wex Photographic is a trading name of Warehouse Express Limited. © Warehouse Express 2014. *CASHBACKS are redeemed via product registration with the manufacturer. Please refer to our website for details. Showroom: Drayton High Road, (opposite ASDA) Norwich. NR6 5DP. Mon & Wed-Sat 10am-6pm, Tues 10am-5pm, Sun 10am-4pm

Follow us on Twitter, Facebook, Google+ and Youtube
for all the latest offers, reviews, news and advice!



DSLR Lenses

CANON LENSES

EF 20mm f2.8 USM.....	£409
NEW EF-S 24mm f2.8 Pancake.....	£179
EF 28mm f1.8 USM.....	£379
EF 35mm f2.0 IS USM.....	£469
EF 40mm f2.8 STM.....	£134
Including £25 Cashback*..... Price you pay today	£159
TS-E 45mm f2.8.....	£1129
EF 50mm f2.5 Macro Lens.....	£203.60
MP-E 65mm f2.8 1-5x Macro.....	£853
TS-E 90mm f2.8.....	£1124
EF 100mm f2.8 USM Macro.....	£385
NEW EF 400mm f4.0 DO IS USM II.....	£6999
EF-S 10-22mm f3.5-4.5 USM.....	£404
Including £45 Cashback*..... Price you pay today	£449
EF-S 15-85mm f3.5-5.6 IS USM.....	£579
EF-S 17-55mm f2.8 IS USM.....	£531.89
Including £45 Cashback*..... Price you pay today	£576.89
EF-S 18-55mm f3.5-5.6 IS STM Lens.....	£188
EF-S 18-135mm f3.5-5.6 IS STM.....	£334
Including £25 Cashback*..... Price you pay today	£359
EF-S 18-200mm f3.5-5.6 IS.....	£354
Including £45 Cashback*..... Price you pay today	£399
EF 24-70mm f4 L IS USM.....	£729
Including £160 Cashback*..... Price you pay today	£889
EF 24-105mm f4.0 L IS USM.....	£727
NEW EF 24-105mm f3.5-5.6 IS STM.....	£479
EF 28-135mm f3.5-5.6 IS USM.....	£359
EF 70-200mm f4.0 L IS USM.....	£495
EF 70-200mm f4 L IS USM.....	£879
Including £80 Cashback*..... Price you pay today	£959

EF 70-300mm f4.0-5.6 IS USM..... £324
Including £45 Cashback*..... Price you pay today £369

NIKON LENSES

10.5mm f2.8 G IF-ED AF DX Fisheye.....	£549
14mm f2.8 D AF ED Lens.....	£1239
NEW 20mm f1.8 G AF-S ED.....	£679
24mm f1.4 G AF-S ED.....	£1465
NEW 28mm f1.8 G AF-S.....	£495
NEW 35mm f1.8 G ED AF-S Nikkor.....	£465
Including £20 Cashback*..... Price you pay today	£185
40mm f2.8 G AF-S DX Micro.....	£279
50mm f1.4 G AF-S.....	£149
50mm f2.8 G AF-S Lens 5-5.6 G ED VR.....	£369
60mm f2.8 D AF Micro Nikkor Lens.....	£368
NEW 58mm f1.4 G AF-S Lens.....	£1599
85mm f1.4 G AF-S.....	£1177
105mm f2.8 G AF-S VR IF ED Micro.....	£589
Including £40 Cashback*..... Price you pay today	£629
135mm f2.0 D AF DC.....	£1029
180mm f2.8 D AF IF-ED.....	£695
200mm f4.0 AF Micro.....	£1179
300mm f4.0 D AF-S IF ED.....	£1029
10-24mm f3.5-4.5 G AF-S DX.....	£639
12-24mm f4 G AF-S IF-ED DX.....	£839
14-24mm f2.8 G ED AF-S.....	£1140
Including £175 Cashback*..... Price you pay today	£1315
16-85mm f3.5-5.6 G ED AF-S DX VR.....	£438
17-55mm f2.8 G ED DX AF-S IF.....	£1049
18-35mm f3.5-4.5G AF-S ED Nikkor.....	£519
NEW 18-55mm f3.5-5.6 G F-S DX NIKKOR VR II.....	£229
18-105mm AF-S DX Nikkor f3.5-5.6 G ED VR.....	£204

18-140mm f3.5-5.6 G ED AF-S DX VR.....	£459
18-200mm f3.5-5.6 G ED AF-S DX VR II.....	£534
Including £50 Cashback*..... Price you pay today	£584
18-300mm f3.5-5.6 G ED AF-S VR.....	£679
24-70mm f2.8 G ED AF-S.....	£1060
Including £175 Cashback*..... Price you pay today	£1235
24-85mm f3.5-4.5 AF-S G ED VR.....	£399
24-120mm f4 G AF-S ED VR.....	£799
28-300mm f3.5-5.6 G ED AF-S VR.....	£659
55-200mm f4-5.6 G AF-S DX VR IF-ED.....	£221
Including £20 Cashback*..... Price you pay today	£241
55-300mm f4.5-5.6 G AF-S DX VR.....	£249
Including £30 Cashback*..... Price you pay today	£279
70-200mm f4 G ED VR.....	£864
Including £85 Cashback*..... Price you pay today	£949
70-200mm f2.8 G ED AF-S VR II.....	£1494
Including £85 Cashback*..... Price you pay today	£1579
70-300mm f4.5-5.6 G ED AF-S IF VR.....	£419

18-200mm f3.5-6.3 DC OS HSM II.....	£239
18-250mm f3.5-6.3 DC OS HSM.....	£306
18-250mm f3.5-6.3 DC Macro OS HSM.....	£295.90
NEW 18-300mm f3.6-6.3 C DC Macro OS HSM.....	£595.90
24-70mm f2.8 IF-ED DG HSM.....	£499
50-150mm f2.8 EX DC APO OS HSM.....	£739
50-200mm f4.0-5.6 DC OS HSM.....	£119
50-500mm f4.5-6.3 DG OS HSM.....	£999
70-200mm f2.8 EX DG OS HSM.....	£799
70-300mm f4.0-5.6 APO Macro Super DG From.....	£150
70-300mm f4.0-5.6 DG OS.....	£275
120-300mm f2.8 OS.....	£2799
120-400mm f4.5-5.6 DG OS HSM..... From	£639
150-500mm f5.0-6.3 DG OS HSM.....	£699
NEW 150-500mm f5.0-6.3 S DG OS HSM.....	£1599
EX DG APO Tele Converters..... From	£198

TAMRON LENSES - with 5 Year Warranty

90mm f2.8-4.0 VC USD Macro.....	£399
90mm f2.8 SP Di Macro.....	£369
180mm f3.5 Di SP AF Macro.....	£698
10-24mm f3.5-4.5 Di II LD SP AF ASP IF.....	£359
17-50mm f2.8 XR Di II VC.....	£349
18-200mm f3.5-6.3 AF XR Di II.....	£132
18-270mm f3.5-6.3 Di II VC PZD.....	£329
24-70mm f2.8 Di VC USD SP.....	£799
28-75mm f2.8 XR Di.....	£359
70-200mm f2.8 Di VC USD.....	£1099
70-300mm f4-5.6 SP Di VC USD.....	£289

Canon Cashback* ends 21st January 2015
Nikon Cashback* ends 25th January 2015

Canon Lenses Price Drop



EF 50mm f1.4 USM.....
WAS £285..... NOW £279

EF 600mm f4 L IS II USM.....	WAS £9999..... NOW £8899
EF 70-300mm f4-5.6 L IS USM.....	£1209..... £1069
EF 800mm f5.6 L IS USM.....	£10095..... £9999
EF 8-15mm f4.0 L USM Fisheye.....	£1089..... £999
EF 85mm f1.2 L II USM.....	£1750..... £1549
EF 85mm f1.8 USM.....	£295..... £289
TS-E 17mm f4L.....	£475..... £449
TS-E 24mm f3.5 L II.....	£1599..... £1479
EF 1.4x III Extender.....	£409..... £329

EF 2x III Extender.....	WAS £409..... NOW £329
EF 100-400mm f4.5-5.6 L IS USM.....	£1255..... £1239
EF 100mm f2.8L Macro IS USM.....	£704..... £699
EF 135mm f2 L USM.....	£899..... £769
EF 14mm f2.8 L II USM.....	£1899..... £1669
EF 180mm f3.5 L USM Macro.....	£1274..... £1109
EF 200-400mm f4 L IS USM with Internal 1.4x Extender.....	£10149..... £8999
EF 17-40mm f4 L USM.....	£629..... £619

EF 200mm f2.8 L USM MKII.....	WAS £649..... NOW £569
EF 24-70mm f2.8L II USM.....	£1799..... £1549
LOW PRICE! EF 24mm f1.4L II USM.....	£1325..... £1224
EF 28-300mm f3.5-5.6 L IS USM.....	£2199..... £1899
EF 300mm f2.8 L IS II USM.....	£5295..... £4899
EF 35mm f1.4 L USM.....	£1140..... £1140
EF 400mm f2.8 L IS II USM.....	£8149..... £7799
EF 500mm f4 L IS II USM.....	£7445..... £7049
EF 50mm f1.2 L USM.....	£1259..... £1149

Photo Bags & Rucksacks

lowepro

Perfect for carrying a Pro DSLR plus a standard lens plus accessories.

NEW Toploader:

Pro 70 AW II.....£75
Pro 75 AW II.....£85

Pro Trekker

450 AW Black Perfect for carrying 1-2 Pro DSLRs, 4-7 lenses, 2 flash, a tripod plus a 15" laptop.

NEW Pro Trekker:
450 AW.....£325
650 AW.....£365
Lens Trekker:
600 AW II.....£255

Manfrotto

Imagine More

Manfrotto Professional Backpacks Designed to hold a DSLR, lenses and several accessories.

20.....£124
30.....£189
50.....£219

tamrac

Expedition 5x Black

5x.....£129
6x.....£144
7x.....£179

Billingham

Hadley Pro Original Khaki

Canvas/Leather: Khaki, Black FibreNyte/Leather: Khaki, Sage, Black.
Digital.....£109
Small.....£139
Large.....£154
Pro Original.....£169

Computing

Canon

PIXMA Pro 100.....£364
PIXMA Pro 10.....£499
PIXMA Pro 1.....£645



Spyder4 Pro.....£114
11 Display Pro.....£160
ColorMunki Smile.....£67

Intuos5 Pro Professional Pen and Touch Tablet Small.....£174
Medium.....£259
Large.....£369

Digital Compact Cameras

Digital compact camera batteries, cases and accessories are available on our website

Canon

16.1 megapixels
65x optical zoom
1080p movie mode

NEW PowerShot SX60 HS
£409 Including £40 Cashback*
Price you pay today £449

£40 CASHBACK*

20.2 megapixels
4.2x optical zoom
1080p movie mode

NEW PowerShot G7 X
£529 Including £50 Cashback*
Price you pay today £579

£50 CASHBACK*

12.8 megapixels
5.0x optical zoom
1080p movie mode

PowerShot G1 X Mark II
£599 Including £50 Cashback*
Price you pay today £649

£50 CASHBACK*

12.8 megapixels
5.0x optical zoom
1080p movie mode

PowerShot G1 X Mark II
£599 Including £50 Cashback*
Price you pay today £649

£50 CASHBACK*

12.8 megapixels
5.0x optical zoom
1080p movie mode

PowerShot G1 X Mark II
£599 Including £50 Cashback*
Price you pay today £649

£50 CASHBACK*

12.8 megapixels
5.0x optical zoom
1080p movie mode

PowerShot G1 X Mark II
£599 Including £50 Cashback*
Price you pay today £649

£50 CASHBACK*

12.8 megapixels
5.0x optical zoom
1080p movie mode

PowerShot G1 X Mark II
£599 Including £50 Cashback*
Price you pay today £649

IXUS 265 HS.....	£119
PowerShot SX600 HS.....	£129
PowerShot SX700 HS.....	£204
Including £30 Cashback*..... Price you pay today	£234
PowerShot D30.....	£214
Including £30 Cashback*..... Price you pay today	£244
NEW PowerShot SX520 HS.....	£249.95
PowerShot S120.....	£279
PowerShot G16.....	£349
Including £40 Cashback*..... Price you pay today	£379

RICOH

WG-4 GPS Blue or Black.....£229
WG-30 Red or Black.....£229
Ricoh GR 16 Megapixel with fixed f2.8 GR lens.....£469

NEW

20.2 megapixels
4.2x optical zoom
1080p movie mode

NEW Lumix LX100 £699

NEW

18.1 megapixels
£30 CASHBACK*
£289 Including £30 C/Back*
Price you pay today £319

£30 CASHBACK*

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

£30 CASHBACK*

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

£30 CASHBACK*

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

£30 CASHBACK*

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

Lumix TZ55.....	£179
Lumix FT5 Orange.....	£255
Lumix LF1.....	£239 Including £30 Cashback*
Price you pay today.....	£269
Lumix FZ72.....	£239 Including £30 Cashback*
Price you pay today.....	£269
Lumix FZ200.....	£319 Including £30 Cashback*
Price you pay today.....	£349
Panasonic Cashback* ends 12th January 2015	

OLYMPUS

Stylus SH-1.....£264
Stylus Tough TG-3.....£325
Stylus SP-100EE.....£249
Stylus Tough TG-850 Black, Silver & White.....£229

NEW

18.1 megapixels
£30 CASHBACK*
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

Coolpix P600 Black or Red.....	£299
Coolpix AW120 Black, Orange or Camouflage.....	£219
Coolpix S9700 Black, Red or White.....	£179
Coolpix S3600.....	£79
Coolpix S5300.....	£129
Coolpix S6800.....	£159

SONY

Cyber-shot HX400 £299 Inc. £40 C/Back*
Price you pay today £339
Cyber-shot HX60 + FREE case £229 Inc. £30 C/Back*
Price you pay today £259
Cyber-shot WX350 £174 Inc. £20 C/Back*
Price you pay today £192
Cyber-shot RX100 II + FREE case £439 Inc. £50 C/Back*
Price you pay today £479

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

NEW

18.1 megapixels
£289 Including £30 C/Back*
Price you pay today £319

FinePix XP70.....	£137
FinePix S9200.....	£179
Including £20 Cashback*..... Price you pay today	£194
FinePix HS50.....	£279
FinePix S1.....	£279
Including £50 Cashback*..... Price you pay today	£329
FinePix X100s Silver or Black.....	£799
Fujifilm Cashback* ends 11th January 2015	

Est 1994

T4**Cameras**Visit us online at: www.t4cameras.co.ukNIKON
CASHBACK
UP TO £175
(1/10/2014 - 25/01/2015)**I AM CHRISTMAS
CASHBACK**NIKON
CASHBACK
UP TO £175
(1/10/2014 - 25/01/2015)**Nikon D3300 TWIN KIT**D3300 with 18-55 VR II
& 55-200 VR lenses**£50 CASHBACK & FREE
ACCESSORY KIT
WORTH £69*****ONLY £549.00****Nikon SB-910
SPEEDLIGHT**

- 17-200mm Auto zoom range
- High-speed recycling time
- Intuitive operation

**ONLY £339.00**

*Comprises of Nikon DSLR gadget bag, 16GB class 10 SD card and Nikon lens cleaning cloth.

Nikon D5300 TWIN KITD5300 with 18-55 VR II
& 55-300 VR lenses**£80 CASHBACK & FREE
ACCESSORY KIT
WORTH £69*****ONLY £779.00****Nikon AF-S NIKKOR
70-200MM F2.8G ED VR II**

- Fast, quiet auto-focus
- Nano crystal coatings
- Weather sealed

**ONLY £1599.00****Nikon D7100 KIT**

D7100 with 18-300 (F6.3) VR lens

**FREE ACCESSORY KIT
WORTH £69*****ONLY £1199.00****Nikon AF-S NIKKOR
24-70MM F2.8G ED**

- Fast, quiet auto-focus
- Nano crystal coatings
- Includes lens hood & pouch

**ONLY £1249.00****NIKON PRE-OWNED**

NIKON D4 BODY ONLY.....	£2999.00
NIKON D3S BODY ONLY (X3).....	£1999.00
NIKON D800 BODY ONLY (X4).....	£1299.00
NIKON D600 BODY ONLY (X2).....	£899.00
NIKON D300 BODY ONLY (X2).....	£349.00
NIKON D200 BODY ONLY (X2).....	£199.00
NIKON AF-D NIKKOR 20MM F2.8.....	£299.00
NIKON AF-D NIKKOR 50MM F1.8.....	£79.00
NIKON AF-S NIKKOR 50MM F1.4G.....	£199.00
NIKON AF-S MICRO NIKKOR 60MM F2.8G.....	£299.00
NIKON AF-S NIKKOR 85MM F1.8G.....	£299.00
NIKON AF-S NIKKOR 18-135MM F3.5-5.6G ED.....	£99.00
NIKON AF-S NIKKOR 24-85MM F3.5-4.5 G ED VR.....	£299.00
NIKON AF-S NIKKOR 24-120MM F3.5-5.6G ED VR.....	£229.00
NIKON FIT SIGMA 120-400MM F4.5-5.6 APO DG OS.....	£399.00
NIKON FIT TOKINA 11-16MM F2.8 IF DX ATX PRO.....	£249.00
NIKON MB-D10 BATTERY GRIP.....	£269.00
NIKON MB-D15 BATTERY GRIP.....	£149.00
NIKON TC-20 EII TELECONVERTER.....	£149.00
NIKON SB-700 SPEEDLIGHT - GRADED STOCK.....	£179.00
NIKON 50MM F1.8G AF-S NIKKOR - GRADED STOCK.....	£119.00
NIKON 105MM F2.8G AF-S IF-ED VR MICRO - GRADED STOCK.....	£499.00
NIKON 55-300MM F4.5-5.6G VR DX - GRADED STOCK.....	£199.00
NIKON D3100 WITH AF-S 18-55 NON VR LENS - GRADED STOCK.....	£199.00
NIKON D3100 WITH AF-S 18-55 VR LENS - GRADED STOCK.....	£239.00
NIKON D3200 WITH AF-S 18-55 VR LENS - GRADED STOCK.....	£269.00
NIKON D5100 WITH AF-S 18-55 VR LENS - GRADED STOCK.....	£349.00

**Phone our experienced
advisors on**Swindon: **01793 523332**Witney: **01993 702687**Lines open Monday-Saturday
9:00 am - 5:30 pm

- Part-Exchange Welcome
- Lease Rental Available (subject to status)
- Passport Photos
- Sensor Cleaning
- Studio Hire
- Servicing and Repairs

All product genuine UK stock, no grey imports.

P&P Mainland UK £9.00
Stock subject to availability**RICHARD CAPLAN****HASSELBLAD**www.richardcaplan.co.uk

60 Pall Mall, London SW1Y 5HZ

Tel. 0207 807 9990

We Sell, Buy and Part-Exchange Premium Photo Equipment

**Leica T Camera System - Open Day November 26th**

- Solid body cut from one piece of aluminium
- Leica simplicity and ease of use
- APS-C size sensor
- Interchangeable lenses
- Takes Leica M lenses with an adapter

**Visit us for hands-on experience****LEICA M BODIES - digital**

New Leica M-P (Typ 240) black or silver	£5,650
New Leica M (Typ 240) black or silver	£4,799
New Leica M (Typ 240) 100 years edition	£5,100
New Leica M-E	£4,199
New Leica M Monochrom black or silver	£6,200
Leica M9 steel grey, boxed, 3000 actuations	£2,750
Leica M9 black body, inc grip	£2,499
Leica M8.2 (upgrade) black body	£1,259
Leica M8 black body	£1,150

LEICA M BODIES - film

New Leica MP black paint	£3,600
Leica M7 0.72 black, leather half-case	£1,299
Leica M7 0.58 black, boxed	£1,399
Leica M6 TTL 0.72 silver	£949
Leica M6 TTL 0.72 black, inc ER case	£950
Leica M6 TTL 'swiss edition' (only 40 made)	£1,199
Leica M4-P black	£699

LEICA M LENSES

We have an excellent range of new Leica-M and Zeiss ZM lenses (Leica M fit)	
please telephone to check stock and pricing	
Leica 50mm/1.4 ver2 'gold' (from M4-2 set)	£2,450
Leica 50mm/2 SUMMICRON-M 6-bit (v.IV)	£1,299
Leica 50mm/2 SUMMICRON-M (v.IV)	£1,199
Leica 50mm/2 M as new, boxed (v.IV sep ho)	£899
Leica 50mm/2 SUMMICRON (v.III) inc HOOD	£799
Leica 50mm/2.5 SUMMARIT-M	£899
Leica 50mm/2.8 ELMAR COLL (early)	£399
Leica 50mm/2.8 ELMAR-M COLL (late-black)	£599
Leica 90mm/2 SUMMICRON-M, minty, boxed	£999
Leica 28mm/2.8 ELMARIT-M inc HOOD	£899
Leica 28mm/2.8 ELMARIT-M	£799
Leica 24mm/2.8 ELMARIT-M ASPH	£1,499
Leica 21mm/2.8 ELMARIT-M ASPH	£1,395
Leica 21mm/2.8 ELMARIT-M, boxed	£999

LEICA SCREW MOUNT

Leica 250GG 'Reporter' inc film cassettes, rare	£9,995
Leica IIIg silver body	£599
Leica IIIa kit inc 5cm/2 SUMMAR	£599
Leica 50mm/2 SUMMICRON (rigid) rare	£1,750
Leica 35mm/3.5 ELMAR	£249
Leica 135mm/4 ELMAR rare	£199
LEICA R	
Leica R8 silver body	£799
Leica R8 silver, inc motor winder	£899
Leica R7 body - black, boxed	£399
Leica 35mm/2 SUMMICRON-R inc hood	£599
Leica 60mm/2.8 MACRO-ELMARIT-R ROM	£999
Leica 60mm/2.8 MACRO-ELMARIT-R	£899
Leica 90mm/2 SUMMICRON-R	£799
Leica 100mm/2.8 APO-MACRO inc ELPRO	£1,499
Leica 100mm/2.8 APO-MACRO	£1,395
Leica 180mm/2.8 ELMARIT-R	£549

Leica 180mm/4 ELMAR-R

Leica 105-280mm/4.2 VARIO-ELMAR-R	£3,295
Leica 350mm/4.8 TELYT-R	£999
Leica 250mm/4 TELYT-R +2x CONVERTER	£599
HASSELBLAD	
We stock new Hasselblad H series bodies and lenses, please telephone to check availability.	
Hasselblad 50mm/4 DISTAGON CF FLE	£599
Hasselblad 180mm/4 SONNAR CF	£599
Hasselblad 150mm/2.8 F +16/32 ext tubes	£799
Hasselblad Mutar 2x Converter	£249
Hasselblad 28mm/4 HCD inc hood	£2,699
MISCELLANEOUS	
Rolleiflex 3.5F inc case/strap	£699
Nikon D800E + GRIP(non-nikon), boxed	£1,499
Zeiss 35mm/2 ZF.2 (Nikon) boxed	£599
Zeiss 85mm/1.4 ZF.2 (Nikon) boxed	£759

E.&O.E. Postage and packing £10 - next day delivery.

NICHOLAS

CAMERA COMPANY FOR THE AMATEUR/PROFESSIONAL PHOTOGRAPHER, CAMERA COLLECTOR

CANON UK DIGITAL SLR'S AND LENSES		£1.95	LEICA 35mm f1.4 ASPH.	£1395-£2845	ROLLEI P650/180P/2.8/55SH/ST.	£195-£2845	CANON AF	M4-P/M4-2/M2/M2-R.	£595-£1645	FLUITA 6x6 LENSES	£595-£1645
CANON UK SLR'S AND LENSES		£1.95	LEICA 50mm f2.1 ASPH.	£895-£1895	ROLLEI PD 60mm/1102/140-280.	£195-£2845	LEICA 11/11MS/11RS/05S.	M2/M3/M3P/SUPERLITE.	£595-£1645	GOSSEN METERS.	£595-£1645
SPECIALS		£1.95	LEICA M3.5/SW/ASNEW.	£545-£1395	ROLLEI-35.35/35S/ASNEW.	£225-£495	LEICA CL/CLASP.	21mm 12.8/ASNEW.	£395-£1895	GRAFLUX 6x6cm +101mm.	£595-£1645
A PMT MACHINE COMPLETE...EASY OFFERS		£1.95	LEICA M2. M2.3/M4-2P.	£105-£245	ROLLEI AFM 35 Supercompact.	£245	LEICA CL/CLASP.	28mm 12.8/ASNEW.	£395-£1895	LEICA STEREO.	£595-£1645
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA CL/ANNY body.	£345-£745	ROLLEI/LEICA 6x7/PROJECTORS.	£275-£495	LEICA CL/CLASP.	35mm 11.4/Summilux/ASPH.	£1275-£2995	HORSEMAN 6x6 GEARED.	£775
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SEKONIC 1608/718/77MMETERS.	£275-£495	LEICA CL/CLASP.	35mm 12.8/Summilux/ASPH.	£1275-£2995	HORSEMAN 6x6 GEARED.	£775
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 1802/8-1.2 MACRO/NEW.	£475	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 20mm f2.8 MACRO/NEW.	£295-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 35mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395
ANGELUX PRIME-200mm LENSES...£10.95		£1.95	LEICA M4. CHROVED/ASNEW.	£175-£245	SIGMA 50mm 1.8 MACRO/NEW.	£275-£395	LEICA CL/CLASP.	50mm 12.8/Summilux/ASPH.	£1275-£2995	KODAK CORPACOR PROJECTORS.	£199-£395



CAMERAS LENSES BAGS TRIPODS PRINTERS BINOCULARS SCOPES FLASHGUNS & LIGHTING ACCESSORIES TRAINING

Canon EOS 7D Mark II

Built for those with a love of speed. Be the first to capture the extraordinary, and grab the moments that other photographers miss. Whether it's stills or movies, express your creative side like never before.

- 20.2 Megapixels
- 10 frames/second
- ITR AF
- 65-point AF
- Dual Pixel CMOS AF
- ISO 16,000
- Full HD movie
- GPS



NEW!

Limited numbers now in stock!

Visit us in store, online or call 01444 23 70 60

Get more out of your Canon EOS 7D II with our training course - held at our Burgess Hill store - 07.02.15 - £99.99

Canon EOS 6D

A 20.2-megapixel DSLR featuring a full-frame sensor and compact design. Ideal for portrait photography and travel, offering tight control over depth of field and a large choice of wide-angle EF lenses.

Body Only
£1,219.00*

+ 24-105 f/4 L IS
£1,719.00*

+ 24-70 f/4 L IS
£1,819.00*



£80
cashback

FREE
Adobe
software

*Prices include **£80 cashback** from Canon UK. Ends 21.01.2015. T&Cs apply. See website.

FREE Adobe Software
Redeem a one year's subscription to Adobe Creative Cloud Photography plan. Ends 21.01.2015. T&Cs apply. See website.

Canon EOS 1200D



£20
cashback

Body Only + 18-55 IS II
£259.00* £309.00*

*Prices include **£20 cashback** from Canon UK. Ends 21.01.2015

Canon EOS 100D



£30
cashback

Body Only + 18-55 IS STM
£345.00* £419.00*

*Prices include **£30 cashback** from Canon UK. Ends 21.01.2015

Canon EOS 700D



£50
cashback

Body Only + 18-55 IS STM
£429.00* £499.00*

*Prices include **£50 cashback** from Canon UK. Ends 21.01.2015

Canon EOS 70D



£60
cashback

Body Only + 18-135 IS
£755.00* £1,010.00*

*Prices include **£60 cashback** from Canon UK. Ends 21.01.2015

Canon EOS 7D



NEW LOW PRICE

Body Only + 17-55 IS
£699.00 £1,299.00

Purchase a USED EOS 7D from only £649! Call 01444 23 70 60

Canon EOS 5D Mark III



0% FINANCE

Body Only + 24-105 f/4 L
£2,299.00 £2,899.00

12 months interest free credit on the EOS 5D Mark III. See web.



Canon EOS-1D X



In stock from **£4,845.00**

See our website for full details

CANON LENSES

14mm f/2.8L II USM	£1,669.00	TSE 90mm f/2.8	£1,124.00
20mm f/2.8 USM	£409.00	8-15mm f/4L Fisheye USM	£999.00
24mm f/1.4L Mk II USM	£1,224.00	EF-S 10-18mm IS STM	£299.00
24mm f/2.8 IS USM	£458.00	EF-S 10-22mm f/3.5-5.6 IS	£449.00
EF-S 24mm f/2.8 STM	NEW See web	EF-S 15-85mm f/3.5-5.6 IS	£579.00
28mm f/1.8 USM	£379.00	16-35mm f/2.8L II USM	£1,199.00
28mm f/2.8 IS USM	£409.00	16-35mm f/4.0L IS USM	£1,199.00
35mm f/1.4L USM	£1,099.00	17-40mm f/4.0L USM	£619.00
35mm f/2.0 IS USM	£469.00	EF-S 17-55mm f/2.8 IS USM	£619.00
40mm f/2.8 STM	£159.00	EF-S 17-85mm f/4.0-5.6 IS USM	£356.00
50mm f/1.2 L USM	£1,149.00	EF-S 17-85 IS (No packaging)	£189.00
50mm f/1.4 USM	£279.00	EF-S 18-55 IS II (No packaging)	£70.00
50mm f/1.8 II	£80.00	EF-S 18-135mm IS STM	£359.00
50mm f/2.5 Macro	£234.00	18-135 IS STM (No packaging)	£299.00
EF-S 60mm f/2.8 Macro	£365.00	EF-S 18-200mm f/3.5-5.6 IS	£399.00
MP-E 65mm f/2.8	£853.00	24-70mm f/2.8L II USM	£1,549.00
85mm f/1.2L II USM	£1,549.00	24-70mm f/4.0L IS USM	£889.00
85mm f/1.8 USM	£289.00	24-105mm f/4.0L IS USM	£813.00
100mm f/2 USM	£359.00	24-105mm (White Box)	£739.00
100mm f/2.8 USM Macro	£385.00	24-105mm f/3.5-5.6 IS STM	See web
100mm f/2.8L Macro IS USM	£699.00	28-135mm f/3.5-5.6 USM IS	£359.00
135mm f/2.0L USM	£1,109.00	28-300mm f/3.5-5.6L IS USM	£1,899.00
180mm f/3.5L USM Macro	£1,109.00	EF-S 55-250mm f/4-5.6 IS STM	£284.00
200mm f/2.0L IS USM	£4,449.00	EF-S 55-250mm f/4-5.6 IS II	£169.00
200mm f/2.8L USM/2	£569.00	70-200mm f/2.8L IS II USM	£1,699.00
300mm f/2.8L USM IS II	£4,899.00	70-200mm f/2.8L USM	£1,019.00
EF 300mm f/4.0L USM IS	£1,079.00	70-200mm f/4.0L IS USM	£959.00
400mm f/2.8L USM IS II	£7,799.00	70-200mm f/4.0L USM	£495.00
400mm f/4.0 DO L USM IS	£4,999.00	70-300mm f/4.0-5.6 IS USM	£389.00
400mm f/4.0 DO IS II USM	See web	70-300mm f/4.0-5.6L IS USM	£1,069.00
400mm f/5.6L USM	£989.00	70-300mm DO IS USM	£1,138.00
500mm f/4.0L USM IS MK II	£7,049.00	75-300mm f/4.0-5.6 III	£188.00
600mm f/4.0L USM IS MK II	£8,899.00	75-300mm f/4.0-5.6 USM III	£209.00
800mm f/5.6L IS USM	£9,999.00	100-400mm L USM IS	£1,239.00
TSE 17mm f/4.0L	£1,659.00	-1700-400mm f/4.0L USM	£8,749.00
TSE 24mm f/3.5L II	£1,479.00	1.4x III Extender	£329.00
TSE 45mm f/2.8	£1,129.00	2x III Extender	£329.00

Canon PowerShot SX60 HS



NEW!

NEW & NOW IN STOCK!

See our website for full details and to place a pre-order!

Canon PowerShot S120



Now only £279.00

Add a Canon NB-6LH spare battery for only £39!

Canon PowerShot G7 X



£50
cashback

Now only £529.00*

*Price includes **£50 cashback** from Canon UK. Ends 21.01.2015

Canon PowerShot G1X II



£50
cashback

Now only £599.00*

*Price includes **£50 cashback** from Canon UK. Ends 21.01.2015

Canon PIXMA iP8750



£30
cashback

Now only £209.00*

*Price includes **£30 cashback** from Canon UK. Ends 21.01.2015

Canon PIXMA PRO-100



FREE GIFTS

Now only £364.00

FREE X-Rite ColorMunki Smile & Canon Luster A3 paper! See web

Canon PIXMA PRO-10

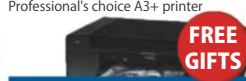


FREE GIFTS

Now only £499.00

FREE X-Rite ColorMunki Smile & Canon Luster A3 paper! See web

Canon PIXMA PRO-1



FREE GIFTS

Now only £645.00

FREE DataColor Spyder 4 Elite & Canon PP 201 A3 paper! See web



Claim up to £160 cashback on selected Canon lenses this Winter.

See in store or online for details

For a **WIDE RANGE** of bags, in store or online - all at low prices

Want to scan film, photos or slides? See our Canon scanners from £55

For **LOW PRICES** on accessories inc. flashguns, see our website

Fast track your Wildlife Photography with George McCarthy



Saturday 29th November
at our Burgess Hill store

£24.99

Introduction to Studio Lighting Part 1



Wednesday 3rd December
at our Burgess Hill store

£59.00

London Photo Walk with Professional tips



Saturday 6th December
starts at our London store

£20.00

Starts at 6pm!

Since 2008 Park Cameras has been providing photo enthusiasts across the country with unrivalled training options across a broad & diverse range of photographic genres and disciplines. Throughout this time our aim has been to provide interactive, intuitive and aspirational courses, workshops and seminars, beneficial to the demanding requirements of all photographers, regardless of ability or interest.



Visit our state of the art stores in Burgess Hill (West Sussex) and Central London

Visit our website for directions and opening times for both stores

CAMERAS

LENSES

BAGS

TRIPODS

PRINTERS

NIKON D750

- 24.3-MP FX-format sensor
- Spectacular ISO
- Professional AF performance
- Sturdy tilt-screen monitor
- Built-in Wi-Fi
- Up to 6.5 fps burst rate
- Full HD (1080p) movies

See web for full details

£150 trade-in bonus!



NOW IN STOCK!
Body SRP £1,799.00

Nikon D3200

24.2 MEGA PIXELS 1080p FULL HD

£20 cashback

Body Only + 18-55 VR II
£259.00* £319.00*

*Prices include £20 cashback from Nikon UK. Ends 25.01.2015

Nikon D3300

24.2 MEGA PIXELS 5 FPS

£30 cashback

Body Only + 18-55 VR II
£394.00 £369.00*

*Prices include £30 cashback from Nikon UK. Ends 25.01.2015

Nikon D7000

16.2 MEGA PIXELS 6 FPS

Body Only + 18-105 VR
£579.00 £699.99

Add a Nikon MB-D11 battery grip for only £224!

Nikon D7100

24.1 MEGA PIXELS 7 FPS

FREE GRIP!

Body Only + 18-140 VR
£809.00 £1,149.00

Purchase before 04.02.15 and claim a **FREE GRIP** from Nikon!

Nikon D610

24.3 MEGA PIXELS QUIET RELEASE MODE

FREE GRIP!

Body Only + 24-85 VR
£1,285.00 See web

Purchase before 04.02.15 and claim a **FREE GRIP** from Nikon!

Nikon D810

36.3 MEGA PIXELS 7 FPS

£300 trade-in bonus

Body Only **£2,399.00**

See website for full details

Nikon D4s

16.2 MEGA PIXELS 11 FPS

0% finance!

In stock from **£4,899.00***

See website for full details

NIKON LENSES

AF-G 10.5mm f/2.8G ED DX	£549.00	AF-D 85mm f/1.8D	£299.00
AF-D 14mm f/2.8D	£1,239.00	AF-S 85mm f/1.8G	£375.00
AF-D 16mm f/2.8D Fisheye	£625.00	AF-S 85mm f/1.4G	£1,177.00
AF-S 20mm f/1.8G ED	NEW See Web	AF-S 105mm f/2.8G VR	£629.00
AF-D 20mm f/2.8	£463.00	PC-E 85mm f/2.8D ED	£1,299.00
AF-D 24mm f/2.8D	£369.00	AF-DC 105mm f/2 Nikkor	£805.00
AF-S Nikkor 24mm f/1.4G	£1,465.00	AF-D 135mm f/2.0D	£1,029.00
PC-E 24mm f/3.5D ED	£1,465.00	AF-D 180mm f/2.8 IF ED	£695.00
AF-D 28mm f/2.8	£243.00	AF-D 200mm f/4D IF ED	£1,179.00
AF-S 28mm f/1.8G	£495.00	AF-S 200mm f/2G ED VR II	£4,099.00
AF-S 35mm f/1.4G	£1,295.00	AF-S 300mm f/2.8G ED VR II	£3,999.00
35mm f/2 AF Nikkor D	£255.00	AF-S 300mm f/4D IF ED	£1,029.00
AF-S 35mm f/1.8G ED	£465.00	AF-S 400mm f/2.8G ED VR	£6,589.00
AF-S 35mm f/1.8G DX	£148.00	AF-S 400mm f/2.8 FLE ED VR	£10,399.00
AF-S 40mm f/2.8G ED	£185.00	AF-S 500mm f/4G ED VR	£5,849.00
PC-E 45mm f/2.8D ED	£1,393.00	AF-S 600mm f/4G ED VR	£7,069.00
AF 50mm f/1.4D	£244.00	AF-S 800mm f/5.6 FLE ED VR	£13,995.00
AF-S 50mm f/1.4G	£279.00	AF-S 10-24mm f/3.5-4.5G ED	£639.00
AF-D 50mm f/1.8	£109.00	AF-S 12-24mm f/4 G IF ED	£839.00
AF-S 50mm f/1.8G	£149.00	AF-S 14-24mm f/2.8G ED	£1,315.00
AF-S 58mm f/1.4G	£1,599.00	AF-S 16-35mm f/4G ED VR	£829.00
AF-D 60mm f/2.8 Micro	£368.00	AF-S 16-85mm f/3.5-5.6G VR	£438.00
AF-S 60mm f/2.8G Micro ED	£404.00	AF-S 17-35mm f/2.8 IF ED	£1,499.00
AF-S 85mm f/3.5G DX	£375.00	AF-S 17-55mm f/2.8G DX	£1,049.00

AF-S 18-35mm f/3.5-4.5G ED	£519.00
AF-S 18-105mm ED VR	£234.99
AF-S 18-105mm VR (White Box)	£175.00
AF-S 18-140mm ED VR DX	£459.00
AF-S 18-200mm ED DX VR II	£584.00
AF-S 18-300mm ED VR DX	£629.00
AF-S 18-300mm ED VR DX	£679.00
AF-S 24-70mm f/2.8G ED	£1,245.00
AF-S 24-85mm ED VR	£409.00
AF-S 24-85mm VR (White Box)	£375.00
AF-S 24-120mm f/4G ED VR	£799.00
AF-S 28-300mm ED VR	£659.00
AF-S 55-200mm DX Black	£199.99
AF-S 55-200mm VR DX	£241.00
AF-S 55-300mm VR DX	£279.00
AF-S 70-200mm f/2.8 VR II	£1,579.00
AF-S 70-200mm f/4.0 ED VR	£949.00
AF-S 70-300mm IF ED VR	£439.00
AF-D 80-400mm ED VR	£939.00
AF-S 80-400mm ED VR	£1,899.00
AF-S 200-400mm VR II	£4,899.00
TC-14E III 1.4x Teleconverter	£309.00
TC-14E III 1.4x Teleconverter	£449.00
TC-17E III 1.7x Teleconverter	£309.00

Visit us in store & try these lenses out for yourself & receive expert advice

SONY OFFERS

Visit our London or Burgess Hill stores where you can try out the range of Sony cameras and lenses, to help choose the perfect product.

a7R **a7** **a7S**

SEE WEB FOR OUR SPECIAL OFFERS!

In stock from **£1,499.00** In stock from **£1,099.00** In stock from **£2,049.00**

Meet the full-frame, palm sized a7 range: portability and capability in one. Featuring a 35mm Full-Frame sensor into a body half the weight of leading DSLRs, this is an exciting new landmark in the market.

Sony QX1

20.1 MEGA PIXELS Wi-Fi

NEW!!

NEW & NOW IN STOCK!!

See web for full details

E-mount lens compatibility lets you get creative

Sony a6000 + 16-50mm

24.3 MEGA PIXELS 11 FPS

£50 cashback

Now only **£499.00***

SRP £729.00

*Price includes £50 cashback from Nikon UK. Ends 25.01.2015

Sony RX100 III

20.1 MEGA PIXELS 2.9x

FREE CASE

Now only **£699.00**

SRP £759.00

Add a Sony LCJ-RXF case for **FREE** worth £69 whilst stock lasts!

OLYMPUS E-PL7

NEW!!

23.3 MEGA PIXELS 8.3 FPS 3.2" SCREEN HD

Limited numbers now in stock!

If you've got an eye for style & don't want to spoil your look, yet want to take fantastic quality images, look no further than the E-PL7.

OLYMPUS M. 4/3 LENSES

9mm Fish-Eye Body Cap	£89.00
12mm f/2.0 Silver	£556.00
15mm f/8.0 Body Cap	£59.00
17mm f/1.8 Silver / Black	£359.00*
17mm f/2.8 Silver	£229.00
25mm f/1.8 Silver / Black	£319.00
45mm f/1.8 Silver / Black	£218.00
60mm f/2.8 Macro	£365.00
75mm f/1.8 Silver / Black	£709.00
9-18mm f/4-5.6	£479.00
12-40mm f/2.8 Pro	£799.00
12-50mm f/3.5-6.3 (Unboxed)	£249.00
14-150mm f/4.0-5.6 ED	£489.00
40-150mm f/4.0-5.6R	£129.00
14-42mm Black (Unboxed)	£99.99
14-42mm f/3.5-5.6 II R MFT	£239.00
40-150mm f/2.8 Pro MFT	See web
75-300mm f/4.8-6.7 ED II	£389.00

Prices updated DAILY! See instore or online.

Olympus E-PL6

16.1 MEGA PIXELS

NEW!

+ 14-42 EZ **£429.00**

FREE 8GB Flash Air card

Add an Olympus VF-4 digital viewfinder only £200!

Olympus OM-D E-M10

16.3 MEGA PIXELS 1080p FULL HD

TEST & WOW

Body Only + 14-42 EZ **£499.00 £659.00**

Test drive this camera for FREE! Available at both stores. See web

Olympus OM-D E-M1

16.3 MEGA PIXELS 1080p FULL HD

TEST & WOW

Body Only + 12-50mm **£949.00 £1,249.00**

Test drive this camera for FREE! Available at both stores. See web

Panasonic DMC-GM5

16.0 MEGA PIXELS

NEW!

NEW & COMING SOON!!

See website for full details

Add a DMW-BLH7E spare battery for only £44!

Panasonic LUMIX GX7

16.0 MEGA PIXELS 3.2" SCREEN

£50 cashback

Body Only + 20mm **£499.00 £649.00***

*Price includes £50 cashback from Panasonic. Ends 12.01.2015

Panasonic DMC-G6

16.0 MEGA PIXELS Wi-Fi

£50 cashback

+ 14-42mm Twin lens kit **£399.00* £629.00**

*Price includes £50 cashback from Panasonic. Ends 12.01.2015

Panasonic LUMIX GH3

16.0 MEGA PIXELS 1080p MOVIES

£100 cashback

Body Only + 12-35mm **£499.00* £1,199.00**

*Price includes £100 cashback from Panasonic. Ends 12.01.2015

Panasonic LUMIX GH4

16.2 MEGA PIXELS 4K MOVIES

£100 cashback

Body Only + 14-140mm **£1,099.00* £1,549.00***

*Prices includes £100 cashback from Panasonic. Ends 12.01.2015

Panasonic M. 4/3 LENSES

Lumix G 8mm f/3.5 Fisheye	£555.00
Leica Summilux 25mm f/1.4	£429.00
Leica Nocticon 42.5mm f/1.25	£1,199.00
Lumix G 12-32mm f/3.5-5.6	£429.00
Lumix G 12-35mm f/2.8*	£789.00
Lumix G 14-42mm f/3.5-5.6*	£199.00
Lumix G 45-150mm OIS	£199.00
Lumix G 45-200mm f/4-5.6	£249.00

*unboxed NEW item

Panasonic DMC-TZ60

18.1 MEGA PIXELS 3.0" SCREEN

£30 cashback

Now only **£289.00***

SRP £349.00

*Price includes £30 cashback from Panasonic. Ends 12.01.2015

Panasonic DMC-FZ200

12.1 MEGA PIXELS 24x

£30 cashback

Now only **£319.00***

SRP £399.00

*Price includes £30 cashback from Panasonic. Ends 12.01.2015

Panasonic LX100

12.8 MEGA PIXELS FOUR THIRDS SENSOR

NEW!

NEW & NOW IN STOCK!!

See website for full details

Purchase before 30.11.14 & receive a **FREE** retractable lens cap

Try out the latest Panasonic products & get expert advice in our **Burgess Hill** or **Central London** stores

Tamron 150-600mm f/5-6.3 VC USD

Limited stock at £949.00

See website for full details

Tamron 16-300mm f/3.5-6.3 Di II VC PZD

Limited stock at £529.00

See website for full details

Tamron 70-200mm f/2.8 Di VC USD

Now only £1,099.00

SRP £1,649.00

For the complete Tamron range, visit us in store, online or call **01444 23 70 60**

Visit our website - updated daily
www.ParkCameras.com/AP
 or e-mail us for sales advice using
sales@parkcameras.com

Phone one of our knowledgeable sales advisors
Monday - Saturday (9:00am - 5:30pm) or Sunday (11:00am - 4:30pm)

01444 23 70 60



BINOCULARS

SCOPES

FLASHGUNS & LIGHTING

ACCESSORIES

TRAINING

SIGMA

Sigma is a world leader in the optical field with top quality lenses available in Sigma, Canon, Nikon, Pentax, Sony and Four-Thirds fit. See below to find a lens for you – at LOW PARK CAMERAS PRICES!

Sigma 18-35mm f/1.8 DC HSM

Available in Canon, Nikon, Pentax, Sony & Sigma fits

In stock at **£649.00**
 See website for full details
 Add a Sigma 62mm DG MC UV filter for only £35!

Sigma 18-300mm f/3.5-6.3 DC Macro OS HSM

Available in Canon, Nikon, Pentax, Sony & Sigma fits

NEW!!
 In stock at **£399.00**
 See website for full details
 Add a Sigma 72mm DG MC UV filter for only £29!

Sigma 30mm f/1.4 DC HSM

Available in Canon, Nikon, & Sigma fits

In stock at **£369.00**
 See website for full details
 Add a Sigma 62mm DG MC UV filter for only £35!

Sigma 50mm f/2.8 Macro EX DG

Available in Canon, Nikon, Pentax, Sony & Sigma fits

WHILST STOCK LASTS
 In stock at **£209.00**
 See website for full details
 Add a Sigma EM-140 DG Macro ring flash for only £309.99!

Sigma 8-16mm f/4.5-5.6 DC HSM

Available in Canon, Nikon, Sony & Sigma fits

In stock at **£679.00**
 See website for full details
 Add a Sigma Cleaning Cloth for only £6!

Sigma 10-20mm f/4-5.6 EX DC

Available in Canon, Nikon, Pentax, Sony & Sigma fits

In stock at **£349.00**
 See website for full details
 Add a Sigma 77mm DG MC UV filter for only £45!

Sigma 18-35mm f/1.8 DC HSM

Available in Canon, Nikon, Pentax, Sony & Sigma fits

In stock at **£649.00**
 See website for full details
 Add a Sigma 62mm DG MC UV filter for only £35!

Sigma 18-300mm f/3.5-6.3 DC Macro OS HSM

Available in Canon, Nikon, Pentax, Sony & Sigma fits

NEW!!
 In stock at **£399.00**
 See website for full details
 Add a Sigma 72mm DG MC UV filter for only £29!

Sigma 120-400mm f/4.5-5.6 APO DG OS HSM

Available in Pentax, Sony & Sigma fits

WHILST STOCK LASTS
 In stock from **£399.99***
 See website for full details
 Add a Sigma 77mm DG MC UV filter for only £45!

Sigma 150-500mm f/5-6.3 APO DG OS HSM

Available in Canon, Nikon, Pentax, Sony & Sigma fits

FREE FILTER
 In stock at **£699.00**
 See website for full details
 Claim a **FREE 86mm DG UV filter** from Sigma UK! Ends 30.11.14

Sigma 150-600mm f/5-6.3 DG OS HSM | Sports

Available in Canon, Nikon, & Sigma fits

NEW & COMING SOON!!
 See web for full details
 Add a Sigma 105mm DG MC UV filter for only £110!

Sigma 70-200mm f/2.8 APO EX DG OS HSM

Available in Canon, Nikon, Sony & Sigma fits

In stock at **£799.00**
 See website for full details
 Add a Sigma 77mm DG MC UV filter for only £45!

SIGMA LENSES

Prices updated DAILY!
 See www.ParkCameras.com/DPHOTO for details.

4.5mm f/2.8 Fisheye EX DC	£599.00	105mm f/2.8 EX DG OS HSM	£399.00	24-70mm f/2.8 IF EX DG	£599.00
8mm f/3.5 Fisheye EX DG	£618.00	150mm f/2.8 OS Macro	£699.00	24-105mm f/4 DG OS HSM	£679.00
10mm f/2.8 EX DC HSM	£489.00	180mm f/2.8 EX DG OS HSM	£1,199.00	50-150mm f/2.8 OS	£739.00
15mm f/2.8 Fisheye EX DG	£474.00	300mm f/2.8 APO EX DG	£2,179.99	70-200mm f/2.8 OS	£799.00
19mm f/2.8 DN	£159.00	500mm f/4.5 APO EX DG	£3,399.99	70-300mm f/4.0-5.6 Macro	£150.00
20mm f/1.8 DG Asph. RF	£389.00	800mm f/5.6 APO EX DG	£4,349.99	70-300mm f/4.0-5.6 DG Macro	£99.00
24mm f/1.8 DG Asph. Macro	£399.00	8-16mm f/4.5-5.6 DC HSM	£549.00	70-300mm f/4.0-5.6 DG OS	£199.00*
28mm f/1.8 DG EX Macro	£299.99	10-20mm f/4-5.6 EX DC	£349.00	120-300mm f/2.8 OS HSM	£2,799.00
30mm f/1.4 DC HSM	£379.00	10-20mm f/3.5 EX DC HSM	£399.00	120-400mm f/4.5-5.6 DG OS	£469.99*
30mm f/2.8 DN	£159.00	12-24mm f/4.5-5.6 II DG HSM	£589.00	150-500mm f/5.0-6.3 DG OS	£699.00
35mm f/1.4 DG HSM	£669.00	17-50mm f/2.8 DC OS HSM	£309.00	200-500mm f/2.8 EX DG	£12,799.99
50mm f/1.4 EX DG HSM	£329.00	17-70mm f/2.8-4 Macro OS	£344.00	300-800mm f/5.6 EX DG HSM	£5,498.00
50mm f/2.8 Macro	£209.99	18-35mm f/1.8 DC HSM	£639.00	EX DG 1.4x APO	£198.00
60mm f/2.8 DN	£159.00	18-200mm f/3.5-6.3 II DC OS	£209.00	EX DG 2x APO DG	£232.00
70mm f/2.8 Macro	£299.99	18-200mm f/3.5-6.3 OS HSM	£269.00	USB Dock	£39.95
85mm f/1.4 EX DG HSM	£649.00	18-250mm Macro OS HSM	£299.00	Sigma Filters	from £17.99

Visit us in store & try these lenses out for yourself & receive expert advice

Fujifilm X-30

A premium quality compact camera offering a range of class-leading functions, unrivalled image quality and superb design!

In stock at only **£429.00***
 See web for full details

*Price after £50 cashback. You pay £479.00 & claim £50 from Fujifilm.

Fujifilm X-E2 + 18-55mm

16.3 MEGA PIXELS
FUJI X-MOUNT
£100 cashback

Now only **£729.00***
 SRP £1,049.00

*Price after £100 cashback. You pay £829.00 & claim £100 from Fuji.

Fujifilm X-Pro 1 Body

16.3 MEGA PIXELS
HD
2 FREE LENSES

Now only **£799.99**

Buy the X-Pro 1 and receive the **XF18mm & XF27mm** for FREE!

Fujifilm Lenses

XF 14mm f/2.8	£665.00
XF 18mm f/2.0	£399.00
XF 23mm f/1.4	£719.00
XF 27mm f/2.8 Pancake	£339.00
XC 16-50mm f/3.5-5.6 OIS	£339.00
XF 18-55mm f/2.8-4 OIS	£489.00
XF 18-135mm f/3.5-5.6 OIS	£699.00
XC 50-230mm f/4.5-6.7 OIS	£349.00
XC 55-200mm f/3.5-4.8 OIS	£539.00

Want to know more about these lenses? See www.ParkCameras.com

Fujifilm X-T1 Body

16.3 MEGA PIXELS
HD
£100 cashback

Now only **£849.00***
 SRP £1,049.00

*Price after £100 cashback. You pay £949.00 & claim £100 from Fuji.

Samsung NX30 + 18-55mm

20.3 MEGA PIXELS
Wi-Fi

Now only **£599.00**
 SRP £699.00

Add a SanDisk 16GB Ultra SDHC Card for only £10!

Samsung NX300 + 20-50mm

20.3 MEGA PIXELS
HD

Now only **£379.00**
 SRP £399.00

Supplied with Adobe Photoshop Lightroom 4.0 FREE

Samsung Galaxy NX + 18-55mm

20.3 MEGA PIXELS
4.6" SCREEN

Now only **£699.00**
 SRP £999.00

Supplied with Adobe Photoshop Lightroom 5.0 FREE

Samsung NX1

- ♥ 15fps continuous shooting
- ♥ 200+ point wide-area autofocus
- ♥ 4K and UHD Video
- ♥ Durable body
- ♥ Choice of 18 lenses including primes, zooms and specialist optics

Pre-order the Samsung NX1 and receive a **FREE Samsung Case & Samsung 16-50mm lens!** Offer ends 23.11.2014

See web for full details

NEW & COMING SOON!!



K-3

23.3 MEGA PIXELS
8.3 FPS
3.2" HD SCREEN
SD CARD

Special AP Price
Body: £829.00*

Looking at the K-3? Consider the Prestige Edition with grip, two batteries and strap. See web for details.

Pentax K-50

16.2 MEGA PIXELS

Body Only **£349.00** + 18-55 WR **£399.00**

Add a Pentax 18-270mm f/3.5-6.3 lens for only £419!

Pentax K-S1

20.1 MEGA PIXELS
5.4 FPS

NEW!!

NEW & NOW IN STOCK!!
 See web for full details

Add a Pentax 50mm f/1.8 SMC DA lens for only £50!

Pentax Q-S1

If you're looking for a super-compact camera with interchangeable lenses, that is beautifully designed and takes high quality stills and movies, then take a look at the Pentax Q-S1.

12.4 MEGA PIXELS
IS

NEW & IN STOCK!!

Body Only **£299.00** + 5-15mm **£379.00** + 5-15mm + 15-45mm **£549.00**

Available in Black, Gunmetal, White and Gold

Pentax XG-1

16.7 MEGA PIXELS
9 FPS

In stock at only **£229.00**

In-stock at our Burgess Hill & London stores

Pentax Lenses

10-17mm f/3.5-4.5 DA ED IF	£329.00	55-300mm f/4.0-5.8	£359.00
12-24mm f/4 DA ED AL (IF)	£739.00	60-250mm f4.0 ED (IF)	£1,069.00
16-50mm f/2.8 DA* ED AL	£819.00	For more Pentax lenses visit our website	
17-70mm f/4 DA AL IF SDM	£449.00	02 Std. Zoom 27.5-83mm	£249.00
18-55mm f/3.5-5.6 DA WR	£159.00	03 Fish Eye 160 Degree	£79.00
18-135mm f/3.5-5.6 DA WR	£379.00	04 Toy Wide Lens 35mm	£59.00
18-270mm f3.5-6.3 ED SDM	£429.00	05 Toy Telephoto 18mm	£59.00
50-135mm f/2.8 ED IF DA*	£849.00	06 Telephoto 15-45mm	£249.00
50-200mm f/4-5.6 ED WR	£269.00	07 Mount shield 11.5mm	£49.00

Every Week @

Sign-up to our newsletter

Sign-up to our weekly newsletter to get exclusive promotions, bespoke offers and information on the latest products



CAMERAS IN YOUR ATTIC?

DO YOU HAVE ANY UNWANTED PHOTOGRAPHIC EQUIPMENT?

We buy most items from the last 100 years! and pay top prices on Film (35 & 120mm), Classic and Digital cameras, Lenses and many accessories, including tripods and bags. We are experts with over 40 years of experience and offer an easy, friendly service. Just call us or use our online form to tell us what you have, and what condition*, and we'll reply with our best prices and even collect for higher value items. It really is as **EASY as 1-2-3**, and you'll have **Cash for Christmas** or **Exchange** for something wanted!

*Items must be in good to mint condition, fully working and with appropriate accessories.

SECOND HAND SALE

AS EASY AS...



1. GET QUOTE



2. GET COLLECTED



3. GET PAID

STOCK FROM OUR
CHELMSFORD STORE

BRONICA ETRS/40MM/AE
CANON BG-E1 GRIP
CANON BG-E9 GRIP FOR 60D
GE DV1
MINOLTA 500SI/28-80MM
MINOLTA X700
MINOLTA X700/DRIVE
NIKON D2X SCRN MARKED
NIKON F100/MB-15 GRIP
NIKON F601/28-85MM AF
NIKON MB-D80 GRIP
OLYMPUS EPL3/14-42MM BLK
OLYMPUS OM10/50MM/MA
OLYMPUS OMD EM1 BODY
PANASONIC GF2 BODY BLK
PENTAX KM/50MM F1.7A
PENTAX KX/50MM F2
PENTAX ME SUPER/50/1.7
OLYMPUS PEN FT/38MMF18
CANON G10 EXT TUBE
FUJI XE1 BODY
BELL+HOWELL 100-200 OM
BLAD BAY 50 MULTIPRISM
BRONICA 150MM F3.5 E
BRONICA 65MM F4 PS
BRONICA 80MM F2.8 S
BRONICA 80MM F2.8 SQ
CANON 20-35MM F3.5 USM EOS
CANON 50MM F1.4 USM EOS
CANON 75-150MM FD
CENTON 70-210MM F4-5.6 OM
CHINON 28MM F2.8 PK
HASSELBLAD 150MM F4 CF
HASSELBLAD EX.TUBE 10
JESSOPS 2X TELE MINOLT MD
MAMIYA 135MM F4 C330
MAMIYA 135MM F4.5 C330
MAMIYA 150MM F3.5 645
MINOLTA 50MM F3.5 MAC. MD
MINOLTA 75-200MM MD
MINOLTA 75-300MM 4-5.6 SONY
MINOLTA 75-300MM AF SLV
NEEWER .45X WIDE LENS
NIKON 12-24 F4G IF ED
NIKON 17-55MM F2.8G DX
NIKON 24-50MM F3.5-4.5 AFD
NIKON 24-85MM G ED VR
NIKON 28MM F2.8 SER E
NIKON 35MM F1.8G
NIKON 50MM F2.8 EL
NIKON 70-210MM F4 AF
NIKON AF 28MM F2.8
OLY 100MM F3.5 E.ZUIKO
OLYMPUS 12MM F2 ED
OLYMPUS 17MM F1.8 BLACK
OLYMPUS 35MM 2.8 SHIFT
OLYMPUS 40-150MM MK II
OLYMPUS 50MM F2.0 MAC
OLYMPUS 75MM F1.8 BLACK M4/3RDS
PENTAX 16-50MM 2.8 DA+
PENTAX 35MM F3.5 67
PENTAX 55MM F2 M42
PENTAX 67 LIFESIZE TEL
SAMSUNG 50-200 ED OIS
SAMSUNG 50-200MMF4/5.6

WAS £325 NOW £299 SAVE £26
WAS £22 NOW £10 SAVE £12
WAS £101 NOW £75 SAVE £26
WAS £35 NOW £15 SAVE £20
WAS £64 NOW £55 SAVE £9
WAS £107 NOW £85 SAVE £22
WAS £123 NOW £99 SAVE £24
WAS £350 NOW £325 SAVE £25
WAS £191 NOW £175 SAVE £16
WAS £112 NOW £99 SAVE £13
WAS £62 NOW £50 SAVE £12
WAS £216 NOW £199 SAVE £17
WAS £89 NOW £75 SAVE £14
WAS £799 NOW £750 SAVE £49
WAS £110 NOW £99 SAVE £11
WAS £175 NOW £150 SAVE £25
WAS £200 NOW £175 SAVE £25
WAS £125 NOW £115 SAVE £10
WAS £350 NOW £325 SAVE £25
WAS £10 NOW £8 SAVE £2
WAS £250 NOW £199 SAVE £51
WAS £11 NOW £5 SAVE £6
WAS £15 NOW £10 SAVE £5
WAS £50 NOW £45 SAVE £5
WAS £110 NOW £99 SAVE £11
WAS £72 NOW £65 SAVE £7
WAS £88 NOW £70 SAVE £18
WAS £232 NOW £199 SAVE £33
WAS £205 NOW £199 SAVE £6
WAS £23 NOW £15 SAVE £8
WAS £22 NOW £10 SAVE £12
WAS £20 NOW £10 SAVE £10
WAS £275 NOW £199 SAVE £76
WAS £32 NOW £15 SAVE £17
WAS £16 NOW £10 SAVE £6
WAS £85 NOW £55 SAVE £30
WAS £75 NOW £55 SAVE £20
WAS £84 NOW £55 SAVE £29
WAS £85 NOW £50 SAVE £35
WAS £55 NOW £35 SAVE £20
WAS £72 NOW £55 SAVE £17
WAS £81 NOW £55 SAVE £26
WAS £10 NOW £5 SAVE £5
WAS £450 NOW £350 SAVE £100
WAS £650 NOW £499 SAVE £151
WAS £120 NOW £99 SAVE £21
WAS £255 NOW £225 SAVE £30
WAS £67 NOW £55 SAVE £12
WAS £127 NOW £112 SAVE £15
WAS £35 NOW £15 SAVE £20
WAS £300 NOW £199 SAVE £101
WAS £111 NOW £99 SAVE £12
WAS £125 NOW £99 SAVE £26
WAS £417 NOW £350 SAVE £67
WAS £275 NOW £250 SAVE £25
WAS £242 NOW £199 SAVE £43
WAS £89 NOW £75 SAVE £14
WAS £250 NOW £199 SAVE £51
WAS £575 NOW £499 SAVE £76
WAS £399 NOW £299 SAVE £100
WAS £375 NOW £299 SAVE £76
WAS £34 NOW £25 SAVE £9
WAS £30 NOW £20 SAVE £10
WAS £100 NOW £75 SAVE £25
WAS £72 NOW £50 SAVE £22

SCHNEIDER 150MM F5.6 ENLARGER
SCHNEIDER 50MM F2.8 S ENLARGER
SIGMA 24-70MM f3.5/5.6 NAF
SIGMA 2X DG APO PENT
SIGMA 30MM F1.4 DC HSM NAFD
SIGMA 70-210MM F4 UC NAFD
SIGMA 70-210MM F4-5.6 MIN
SONY 18-55MM E OSS SILVER
TAMRON 18-270DI VC PZD CAF
TAMRON 2X ADAPT II
TAMRON 70-300MM F4-5.6 CAN
TAMRON 70-300MM LD PAF
TAMRON 80-210 F3.8 PK
TELEPLUS 3X CONV PK
VIVITAR 2X BLAD H/BLAD
CANON 430EX II FLASH
CANON SPEEDLITE 177A
CENTON MR20 RINGFLASH
METZ 45-CL4 FLASH
METZ 45CL1
METZ 45CL4
METZ 45CL4 NICAD
MINOLTA 3200I FLASH
MINOLTA SU800
OLYMPUS T32/300MM ADAP OM
SUNPAK AUTO422D FLASH OM
SUNPAK G8XR RING FLASH
SUNPAK P240X FLASH
VIVITAR 283 FLASH
ROLLEICORD LENS HOOD
POLAROID P INSTANT
BLAD 500C PISTOL GRIP
BLAD SOFTAR BAY 50
BRONICA 135W BACK E
BRONICA SPEED GRIP E
CANON FOCUS SCREEN EED
FUJI LHF-X20
GITZO G1270M HEAD
GOSSEN MULTISIX
H/SOUE SPIRIT LEVEL
HAHNEL REMOTE NIK D300
HAHNEL TRIAD 30 TRIPOD
HASSELBLAD 32 TUBE
INTERFIT SOFT BOX
KOWA 1.10.4-800 EYEPCE
LEXAR EXPRESS READER
NIKON MB-D200 GRIP
OLY PEN F BELLOWS
OLY PEN F SLIDER
OLY RIGHT ANGLE FINDER PENF
OZECK 2X CONVERTER OM
PANASONIC LVF2
PANASONIC LW55 WIDECON
PENTAX MX LEATHER CAS
PHOTTIX BP-D200 FOR S5
POCKET WIZARD MINI TT1
ROLLEI BAY.1 GREEN
ROLLEI BAY.1 YELLOW
ROLLEI GREEN FILTER
ROLLEIMETER TLR RFINDR

WAS £20 NOW £10 SAVE £10
WAS £55 NOW £25 SAVE £30
WAS £87 NOW £55 SAVE £32
WAS £101 NOW £75 SAVE £26
WAS £199 NOW £175 SAVE £24
WAS £61 NOW £30 SAVE £31
WAS £37 NOW £30 SAVE £7
WAS £151 NOW £99 SAVE £52
WAS £240 NOW £225 SAVE £15
WAS £15 NOW £10 SAVE £5
WAS £71 NOW £55 SAVE £16
WAS £71 NOW £55 SAVE £16
WAS £21 NOW £15 SAVE £6
WAS £20 NOW £10 SAVE £10
WAS £25 NOW £15 SAVE £10
WAS £149 NOW £135 SAVE £14
WAS £15 NOW £10 SAVE £5
WAS £53 NOW £25 SAVE £28
WAS £54 NOW £40 SAVE £14
WAS £90 NOW £40 SAVE £50
WAS £90 NOW £40 SAVE £50
WAS £110 NOW £40 SAVE £70
WAS £11 NOW £5 SAVE £6
WAS £155 NOW £99 SAVE £56
WAS £40 NOW £25 SAVE £15
WAS £15 NOW £10 SAVE £5
WAS £25 NOW £10 SAVE £15
WAS £45 NOW £25 SAVE £20
WAS £22 NOW £15 SAVE £7
WAS £20 NOW £10 SAVE £10
WAS £25 NOW £20 SAVE £5
WAS £18 NOW £10 SAVE £8
WAS £20 NOW £10 SAVE £10
WAS £20 NOW £10 SAVE £10
WAS £32 NOW £15 SAVE £17
WAS £15 NOW £10 SAVE £5
WAS £52 NOW £25 SAVE £27
WAS £40 NOW £20 SAVE £20
WAS £75 NOW £50 SAVE £25
WAS £10 NOW £5 SAVE £5
WAS £11 NOW £5 SAVE £6
WAS £31 NOW £20 SAVE £11
WAS £50 NOW £25 SAVE £25
WAS £20 NOW £10 SAVE £10
WAS £20 NOW £10 SAVE £10
WAS £10 NOW £5 SAVE £5
WAS £50 NOW £40 SAVE £10
WAS £60 NOW £50 SAVE £10
WAS £60 NOW £50 SAVE £10
WAS £45 NOW £35 SAVE £10
WAS £5 NOW £3 SAVE £2
WAS £137 NOW £99 SAVE £38
WAS £79 NOW £50 SAVE £29
WAS £10 NOW £8 SAVE £2
WAS £65 NOW £25 SAVE £40
WAS £99 NOW £50 SAVE £49
WAS £15 NOW £10 SAVE £5
WAS £10 NOW £8 SAVE £2
WAS £15 NOW £10 SAVE £5
WAS £38 NOW £25 SAVE £13

TO SEE MORE ITEMS FROM
BOTH OF OUR STORES...
**VISIT OUR
WEBSITE!**

LONDON SHOP
14 Wells Street
(off Oxford Street)
London W1T 3PB
0207 636 5005
CHELMSFORD SHOP
High Chelmer Shopping Centre
Chelmsford, Essex CM1 1XB
01245 255510

0207 636 5005

www.cameraworld.co.uk

cameraWORLD

are proud to present the...

MASTERS OF PHOTOGRAPHY

Sponsored by **Canon**

CAMERA SHOW & SEMINAR EVENT

Canon

FRIDAY 28TH NOVEMBER, 11AM - 7PM

come

and

see

**LOWEST UK CANON PRICES,
SHOW DAY ONLY**

PRE-BOOKED TICKETS ONLY

Book now to avoid disappointment!

**SEMINARS FROM TOP
PHOTOGRAPHERS**

**MEET THE EXPERTS
TOUCH & TRY**

**TOP BRANDS
@ THE SHOW**

Canon

RØDE STEADICAM

Lexar



Manfrotto



lowepro

DOMKE



VANGUARD

AMAZING SHOW ONLY DEALS

01 AT 01-ZERO ONE STUDIO, SOHO
HOPKINS ST, LONDON W1F 0HS

BUY YOUR TICKETS AT:

www.cameraworld.co.uk/canon-event

ENTRY FEE £10* SEMINARS FROM £5

*ENTRY FEE WILL BE REFUNDED UPON ANY PURCHASE

SEMINAR TOPICS:

Photographing Wildlife
Shot Composition
Speedlite Flash
Intro to Video DSLR
Underwater Photography

SEMINARS BY THESE TOP PHOTOGRAPHERS



DANNY GREEN



DAVID NEWTON



SAEED RASHID

© Photo by
David Newton



PRACTICAL WILD ARENA MACRO WORKSHOP

- **Come in and have a go!**
- **Try out the latest kit including the EOS 7D Mark II**
- **And/or bring your own cameras/lenses**

PLUS





We are a small, family owned and run company, specialising in photographic consumables - and proud winners of a 2013 Good Service Award. We are located in Leamington Spa, in the heart of Warwickshire - if you are passing, please pop into our shop, and meet Cooper - our new office dog!

01926 339977 www.premier-ink.co.uk



PRINTER INK CARTRIDGES



EPSON

COMPATIBLE & ORIGINAL INK



At Premier Ink Supplies, we stock two types of cartridges for Epson printers - **Originals**, which are made by Epson, and **Compatibles**, which are made by a UK company called **Jet Tec**. Using **Jet Tec Compatibles** is a way of saving money, without compromising on the quality of your prints. Here're the results from two independent ink tests that agree...

Digital
PHOTOGRAPHY

Ink Test Winner



"Jet Tec's colours were superb, with single greys and blacks very close to Epson ...so Jet Tec wins!"
- Total Digital Photography Magazine

"What we're looking at here is not only the best choice of ink for the R300 printer, but also the best ink in this group test, period. There's just no getting away from the superb combination of performance and pricing!"
- Computer Upgrade Magazine

Cartridge Code:	Originals:	Jet Tec Compatibles:	Suitable EPSON Printers:
T007 Black	£29.99 16ml	£3.99 20ml, 3 for £10.99	Photo 790, 870, 890, 915, 915, 1290
T008 Colour	£23.99 46ml	£4.99 50ml, 3 for £13.99	Photo 790, 870, 890, 915, 915
T009 Colour	£29.99 66ml	£4.99 70ml, 3 for £13.99	Photo 900, 1270, 1290
T026 Black	£39.99 16ml	£3.99 20ml, 3 for £10.99	Photo 810, 830, 830u, 925, 935
T027 Colour	£29.99 46ml	£4.99 50ml, 3 for £13.99	
T0341-T0347 Set of 7	£126.99 set of 7	Check Website.	Photo 2100
T0341/8, each	£15.99 17ml	Check Website.	Chameleon Inks
T0342/3/4, each	£18.99 17ml	Check Website.	
T0345/6/7, each	£18.99 17ml	Check Website.	
T0441-T0454 Set of 4	£49.99 set of 4	£14.99, 3 sets for £42.99	C64, C66, C84, C86, CX3800/3850, CX4600, CX6600
T0452/3/4, each	£11.99 8ml	£3.99 21ml, 3 for £10.99	Parasol Inks
T0481-T0486 Set of 6	£69.99 set of 6	£19.99, 3 sets for £56.99	R200, R220, R300, R320, R340
T0481/2/3, each	£16.99 13ml	£3.99 21ml, 3 for £10.99	RX500, RX600, RX620, RX640
T0484/5/6, each	£16.99 13ml	£3.99 21ml, 3 for £10.99	Seahorse Inks
T0540-T0549 Set of 8	£109.99 set of 8	£35.99, 3 sets for £99.99	Photo R800, R1800
T0540 Gloss	£8.99 13ml	£3.99 21ml, 3 for £13.99	Frog Inks
T0541/2/3/4, each	£14.99 13ml	£4.99 21ml, 3 for £13.99	Photo R240, R245, RX420, RX425, RX520, RX525
T0547/8/9, each	£14.99 13ml	£4.99 21ml, 3 for £13.99	Duck Inks
T0551-T0554 Set of 4	£34.99 set of 4	£14.99, 3 sets for £42.99	Photo R2400
T0551 Black	£8.99 8ml	£4.99 21ml, 3 for £10.99	Lilly Inks
T0552/3/4, each	£8.99 8ml	£3.99 21ml, 3 for £10.99	
T0591-T0599 Set of 8	£99.99 set of 8	Check Website.	D68, D88, DX3800/3850, DX4200/4250, DX4800/4850
T0591/2/3, each	£12.99 13ml	Check Website.	Teddy Bear Inks
T0594/5/6, each	£12.99 13ml	Check Website.	S20, S21, SX100/105/110/115/200/205/210/215
T0597/8/9, each	£12.99 13ml	Check Website.	SX400/405/415/515, D78/82/120, B40W, BX300
T0611-T0614 Set of 4	£34.99 set of 4	£14.99, 3 sets for £42.99	DX4000/4400/5000/6000/7000/7400/8400/9400
T0611 Black	£8.99 8ml	£4.99 21ml, 3 for £13.99	Photo 1400
T0612/3/4, each	£8.99 8ml	£3.99 21ml, 3 for £10.99	Owl Inks
T0711-T0714 Set of 4	£34.99 set of 4	£14.99, 3 sets for £42.99	Photo P60, PX650/660/700W/710W/720WD, PX730WD/800FW/810FW/830FW/830FWD
T0711 Black	£8.99 7.4ml	£4.99 13ml, 3 for £10.99	R265/285/360, RX560/585/685
T0712/3/4, each	£8.99 5.5ml	£3.99 13ml, 3 for £10.99	Photo R1900
T0791-T0796 Set of 6	£74.99 set of 6	Check Website.	Flamingo Inks
T0791/2/3, each	£12.99 10ml	Check Website.	
T0794/5/6, each	£12.99 10ml	Check Website.	
T0801-T0806 Set of 6	£51.99 set of 6	£19.99, 3 sets for £57.99	Photo P60, PX650/660/700W/710W/720WD, PX730WD/800FW/810FW/830FW/830FWD
T0801/2/3, each	£8.99 7.4ml	£3.99 13ml, 3 for £10.99	R265/285/360, RX560/585/685
T0804/5/6, each	£8.99 7.4ml	£3.99 13ml, 3 for £10.99	Photo R1900
T0870-T0879 Set of 8	£74.99 set of 8	Check Website.	Flamingo Inks
T0870 Gloss	£7.99 11.4ml	Check Website.	
T0871/2/3/4, each	£9.99 11.4ml	Check Website.	
T0877/8/9, each	£9.99 11.4ml	Check Website.	
T0961-T0969 Set of 8	£74.99 set of 8	Check Website.	Photo R2880
T0961/2/3/4/5, each	£9.99 11.4ml	Check Website.	Husky Inks
T0966/7/8/9, each	£9.99 11.4ml	Check Website.	
T1281-T1284 Set of 4	£29.99 set of 4	£14.99 set of 4	S22, SX125/130, SX420W/425W/445W, BX305F
T1281 Black	£7.99 5.9ml	£4.99 13ml	Fox Inks
T1282/3/4, each	£7.99 5.9ml	£3.99 10ml	SX420W/425W/445W/525W/620FW, BX305F/320FW/525W/620FW/625FW/630FW, BX635FW/BX935FW/BX935FWD, B42WD
T1291-T1294 Set of 4	£42.99 set of 4	£16.99 set of 4	Photo R3000 Turtle Inks
T1291 Black	£10.99 11.2ml	£4.99 16ml	Photo R2000 Kingfisher Inks
T1292/3/4, each	£10.99 7.7ml	£4.99 13ml	Photo R2000 Penguin Inks
T1571-9, each	£20.99 25.9ml each or £164.99 set of 8	£14.99 set of 4	Photo R3800, 3880
T1591-9, each	£14.99 17ml each or £107.99 set of 8	£4.99 18ml	Workforce WF-2010W, 2510WF, 2520NF, 2530WF, 2540WF
T5591-6, each	£13.99 13ml each or £74.99 set of 6	£3.99 13ml	Fountain Pen Inks
T5801-9, each	£41.99 60ml each or £329.99 set of 8	£4.99 18ml	Workforce WF-2010W, 2510WF, 2520NF, 2530WF, 2540WF
No.16 Set of 4	£24.99 set of 4	£14.99 set of 4	High Capacity Fountain Pen Inks
No.16 Black	£7.99 5.4ml	£4.99 18ml	Expression Home XP30, XP102, XP202, XP205
No.16 CMY, each	£5.99 3.1ml	£3.99 13ml	XP302, XP305, XP402, XP405
No.16XL Set of 4	£44.99 set of 4	£14.99 set of 4	Expression Photo XP750, XP850
No.16XL Black	£11.99 12.9ml	£4.99 18ml	High Capacity Elephant Inks
No.16XL CMY, each	£11.99 6.5ml	£4.99 18ml	Expression Premium XP600, XP605, XP700, XP800
No.18 Set of 4	£22.99 set of 4	£14.99 set of 4	Polar Bear Inks
No.18 Black	£7.99 5.2ml	£4.99 18ml	Expression Premium XP600, XP605, XP700, XP800
No.18 CMY, each	£5.99 3.3ml	£3.99 13ml	High Capacity Polar Bear Inks
No.18XL Set of 4	£46.99 set of 4	£14.99 set of 4	
No.18XL Black	£14.99 11.5ml	£4.99 18ml	
No.18XL CMY, each	£11.99 6.6ml	£3.99 13ml	
No.24 Set of 8	£44.99 set of 8		
No.24 B/L/C/M, each	£7.99 5.1ml		
No.24 CMY, each	£7.99 4.6ml		
No.24XL Set of 8	£69.99 set of 8		
No.24XL B/L/C/M, each	£11.99 9.8ml		
No.24XL CMY, each	£11.99 8.7ml		
No.26 Set of 4 (no PB)	£30.99 set of 4		
No.26 Black	£8.99 6.2ml		
No.26 Photo Black	£7.99 4.7ml		
No.26 CMY, each	£7.99 4.5ml		
No.26XL Set of 4 (no PB)	£54.99 set of 4		
No.26XL Black	£11.99 12.1ml		
No.26XL Photo Black	£13.99 6.7ml		
No.26XL CMY, each	£13.99 9.7ml		

If you cannot find the ink cartridges for your printer, please check our website, or give us a call, and we'll do our best to help. We stock what is probably the UK's largest range of ink cartridges and photo paper, including wide format ink cartridges and roll papers.

Canon

Canon Originals

BCI6 All colours, 13ml, each	£8.99
PGI5 Black 26ml	£12.99
CL18 All colours, 13ml, each	£10.99
CL142 All colours, 13ml, each	£10.99
CL142 Set of 8	£79.99
PGI9 All colours, 14ml, each	£9.99
PGI9 Set of 10	£89.99
PGI29 All colours, 36ml, each	£22.99
PGI29 Set of 12	£269.99
PGI72 All colours, 14ml, each	£10.99
PGI72 Set of 10	£99.99
PGI520 Black 19ml	£10.99
CL1521 B/C/M/Y/GY 9ml	£9.99
PGI520/CL1521 Set of 8	£46.99
PGI525 Black 19ml	£10.99
PGI525 B/C/M/Y/GY 9ml	£9.99
PGI525/CL1525 Set of 8	£46.99
PGI550 Black 15ml	£10.99
CL1551 B/C/M/Y/GY 7ml	£8.99
PGI550/CL1551 Set of 8	£42.99
PG40 Black 16ml	£14.99
PG50 Black 22ml	£21.99
PG510 Black 9ml	£11.99
PG512 Black 15ml	£16.99
PG540XL Black 21ml	£17.99
PG545XL Black 15ml	£16.99
CL41 Colour 12ml	£18.99
CL51 Colour 21ml	£25.99
CL511 Colour 9ml	£15.99
CL513 Colour 13ml	£20.99
CL541XL Colour 15ml	£19.99
CL546XL Colour 13ml	£18.99

Canon Compatibles

BCI6 All colours, 15ml, each	£2.99
PGI5 Black 26ml	£4.99
CL18 B/C/M/Y/PC/M 15ml	£3.99
PGI520 Black 19ml	£4.99
CL1521 B/C/M/Y/GY 9ml	£3.99
PGI525 Black 19ml	£4.99
CL1525 B/C/M/Y/GY 9ml	£3.99
PGI550XL Black 25ml	£4.99
CL1551XL B/C/M/Y/GY 12ml	£3.99
PG40 Black 28ml	£13.99
PG50 Black 28ml	£12.99
PG510 Black 11.5ml	£13.99
PG512 Black 18ml	£14.99
PG540XL Black 21ml	£13.99
CL41 Colour 16ml	£16.99
CL51 Colour 24ml	£14.99
CL512 Colour 11.5ml	£15.99
CL513 Colour 15ml	£16.99
CL541XL Colour 15ml	£15.99

Many more in stock!

HP

HP Originals

No.38 All Colours 27ml each	£26.99
No.300 Black 4ml	£10.99
No.300 Colour 4ml	£12.99
No.301 Black 3ml	£9.99
No.301 Colour 3ml	£11.99
No.337 Black 11ml	£18.99
No.338 Black 11ml	£18.99
No.339 Black 21ml	£25.99
No.343 Colour 21ml	£20.99
No.344 Colour 14ml	£28.99
No.350 Black 4.5ml	£11.99
No.351 Colour 3.5ml	£14.99
No.363 Black 6ml	£13.99
No.363 CMY/PC/M each	£9.99
No.364 Black 6ml	£7.99
No.364 P/B/C/M/3my each	£6.99
No.364 Set of 4	£22.99
No.901 Black 4ml	£11.99
No.901 Colour 9ml	£14.99
No.920XL Set of 4	£46.99
No.932XL Black 22.5ml each	£21.99
No.933XL CMY 6.5ml each	£9.99
No.940XL Set of 4	£69.99
No.950XL Black 53ml each	£24.99
No.951XL CMY 24ml each	£17.99

HP Compatibles

No.15 Black 48ml	£4.99
No.21 Black 10ml	£7.99
No.22 Colour 21ml	£11.99
No.45 Black 48ml	£4.99
No.56 Black 24ml	£9.99
No.57 Colour 24ml	£12.99
No.78 Colour 38ml	£9.99
No.110 Colour 12ml	£10.99
No.300XL Black 18ml	£14.99
No.300XL Colour 18ml	£16.99
No.301XL Black 15ml	£14.99
No.301XL Colour 18ml	£16.99
No.336 Black 10ml	£7.99
No.337 Black 21ml	£10.99
No.338 Black 21ml	£10.99
No.339 Black 34ml	£12.99
No.342 Colour 12ml	£10.99
No.343 Colour 21ml	£12.99
No.344 Colour 21ml	£14.99
No.348 Photo 21ml	£12.99
No.350XL Black 30ml	£14.99
No.351XL Colour 20ml	£16.99
No.363 Black 20ml	£6.99
No.363 CMY/PC/M each	£4.99
No.364XL Black 18ml	£9.99
No.364XL CMY 11ml each	£8.99

Many more in stock!

Kodak

Kodak Original Ink / Paper

ESP Black Series 10 ink	£6.99
ESP Colour Series 10 ink	£12.99
ESP Black Series 30 ink	£6.99
ESP Colour Series 30 ink	£12.99
ESP Black/Colour Twin Packs	£18.99

Kodak Photo Paper also in stock!

brother

Brother Originals

LC1100 Set of 4	£36.99
LC1240 Set of 4	£47.99
LC1280XL Set of 4	£65.99

Brother Compatibles

LC900 Set of 4	£11.99
LC970 / 1000 Set of 4	£11.99
LC980 / 1100 Set of 4	£11.99
LC985 Set of 4	£11.99
LC1240 Set of 4	£11.99
LC1280XL Set of 4	£15.99

Many more in stock!

LEXMARK

Lexmark Originals

No.14 Black	£18.99
No.15 Colour	£20.99
No.28 Black	£18.99
No.29 Colour	£19.99
No.32 Black	£22.99
No.33 Colour	£24.99
No.36 Black	£19.99
No.37 Colour	£20.99
No.100 Set of 4	£39.99

Lexmark Compatibles

No.1 Colour	£10.99
No.2 Colour	£11.99
No.3 Black	£14.99
No.16 Black	£11.99
No.17 Black	£9.99
No.26 Colour	£12.99
No.27 Colour	£11.99
No.32 Black	£9.99
No.33 Colour	£11.99
No.34 Black	£11.99
No.35 Colour	£12.99

Many more in stock!

PHOTOGRAPHIC PAPERS & MOUNTS

ILFORD GALERIE premium

Premium Gloss 270g, 6x4, 50sh + \$0 FREE	£9.99
Premium Gloss 270g, A4, 25sh + \$0 FREE	£11.99
Premium Lustre 270g, 6x4, 50sh + \$0 FREE	£9.99
Premium Lustre 270g, A4, 25sh + \$0 FREE	£11.99
Smooth Heavyweight Matt 200g, A4, 50sh	£14.99

ILFORD GALERIE Prestige

Smooth Gloss 310g, 6x4, 100 sheets	£17.99
Smooth Gloss 310g, 7x5, 100 sheets	£23.99
Smooth Gloss 310g, A4, 25sh + 10 FREE	£12.99
Smooth Gloss 310g, A3, 25 sheets	£28.99
Smooth Gloss 310g, A3, 25sh + 10 FREE	£32.99
Smooth Pearl 310g, 6x4, 100 sheets	£17.99
Smooth Pearl 310g, 7x5, 100 sheets	£23.99
Smooth Pearl 310g, A4, 25sh + 10 FREE	£12.99
Smooth Pearl 310g, A3, 25 sheets	£28.99
Smooth Pearl 310g, A3, 25sh + 10 FREE	£32.99
Gold Mono Silk 310g, A4, 25sh + 10 FREE	£19.99
Gold Fibre Silk 270g, A4, 50 sheets	£44.99
Fine Art Smooth 220g, A4, 25 sheets	£28.99
Fine Art Textured 220g, A4, 25 sheets	£28.99
Smooth LUXURE Duo 280g, A4, 25 sheets	£14.99

Lowering the Cost of Photography

Orders are shipped promptly by Royal Mail 1st class post, for which we charge just £1.99 per order. All prices include VAT, and a full VAT receipt is provided with every order. Payment accepted by credit/debit card, cheque or postal order. Orders accepted securely online, www.premier-ink.co.uk, over the telephone, 01926 339977, by post, or by visiting our shop: Premier Ink & Photographic, Longfield Road, Sydenham Ind Estate, Learnington Spa, CV31 1XB.

01926 339977 www.premier-ink.co.uk



Premier

Ink & Photographic

Winners of an Amateur Photographer 2013 "Good Service Award"

MEMORY

SanDisk

SanDisk Blue SDHC Class 4 5MB/s	
2GB 5MB/s	£3.99
4GB 5MB/s	£4.49
8GB 5MB/s	£4.99
16GB 5MB/s	£8.99
SanDisk Ultra SDHC Class 6 30MB/s	
4GB 30MB/s	£5.99
8GB 30MB/s	£6.99
16GB 30MB/s	£10.99
32GB 30MB/s	£19.99
SanDisk Extreme SDHC Class 10 UHS-1, 30 & 45MB/s	
4GB 30MB/s	£7.99
8GB 30MB/s	£9.99
16GB 45MB/s	£14.99
32GB 45MB/s	£26.99
64GB 45MB/s	£57.99

NEW SanDisk Extreme 80 SDHC UHS-1 Class 10 80MB/s	
8GB 80MB/s	£14.99
16GB 80MB/s	£22.99
32GB 80MB/s	£42.99
64GB 80MB/s	£84.99

SanDisk Ultra Compact Flash 30MB/s	
4GB 30MB/s	£13.99
8GB 30MB/s	£19.99
16GB 30MB/s	£34.99

SanDisk Extreme Compact Flash 60MB/s	
8GB 60MB/s	£27.99
16GB 60MB/s	£45.99
32GB 60MB/s	£76.99
64GB 60MB/s	£139.99

SanDisk Extreme Pro Compact Flash 90MB/s	
16GB 90MB/s	£72.99

SanDisk Ultra MicroSDHC Class 10 30MB/s	
8GB 30MB/s	£7.99
16GB 30MB/s	£12.99
32GB 30MB/s	£24.99
64GB 30MB/s	£48.99

SanDisk Cruzer Blade USB Pen Drives	
8GB USB 2.0	£4.99
16GB USB 2.0	£7.99
32GB USB 2.0	£15.99

Lexar

Lexar Professional SDHC Class 10, UHS-1 400X, 60MB/s	
8GB 60MB/s	£11.99
16GB 60MB/s	£17.99
32GB 60MB/s	£32.99

Lexar Professional Compact Flash 800X, 120MB/s	
8GB 120MB/s	£24.99
16GB 120MB/s	£39.99
32GB 120MB/s	£69.99

Lexar Professional Dual Slot Reader SD & Compact Flash	
USB3.0 Reader 500MB/s	£25.99

DELKIN DEVICES

Delkin Professional Compact Flash 500X, 75MB/s	
8GB 75MB/s	£16.99
16GB 75MB/s	£27.99
32GB 75MB/s	£46.99

Waterproof Memory Card Storage Totes	
SD Tote Holds 8 SD cards	£6.99
CF Tote Holds 4 Compact Flash	£6.99

Universal Memory Card Readers	
USB2.0 Reader 30MB/s	£9.99
USB3.0 Reader 60MB/s	£19.99

BATTERIES

Camera Batteries

A comprehensive range of rechargeable Li-Ion batteries. Manufactured by respected independent battery manufacturers Energizer, Hahnel, and Blumax. All batteries come with a 2 year guarantee.

NB-2LH for Canon	£9.99
NB-4L for Canon	£9.99
NB-5L for Canon	£9.99
NB-6L for Canon	£9.99
NB-7L for Canon	£12.99
NB-9L for Canon	£9.99
NB-10L for Canon	£12.99
NB-11L for Canon	£12.99
BP-511 for Canon	£12.99
LP-E5 for Canon	£12.99
LP-E6 for Canon	£19.99
LP-E8 for Canon	£15.99
LP-E10 for Canon	£12.99
LP-E12 for Canon	£12.99
NP45 for Fuji	£9.99
NP50 for Fuji	£9.99
NP95 for Fuji	£9.99
NPW126 for Fuji	£17.99
NP400 for Minolta	£12.99
EN-EL1 for Nikon	£9.99
EN-EL3E for Nikon	£14.99
EN-EL5 for Nikon	£9.99
EN-EL9 for Nikon	£12.99
EN-EL10 for Nikon	£9.99
EN-EL11 for Nikon	£9.99
EN-EL12 for Nikon	£9.99
EN-EL14 for Nikon	£19.99
EN-EL15 for Nikon	£24.99
EN-EL19 for Nikon	£12.99
EN-EL20 for Nikon	£14.99
EN-EL21 for Nikon	£14.99
LI10B/12B for Olympus	£9.99
LI40B/42B for Olympus	£9.99
LI50B for Olympus	£9.99
BLM-1 for Olympus	£12.99
BLN-1 for Olympus	£24.99
BLS-1 for Olympus	£12.99
BLS-5 for Olympus	£15.99
CGR-S006 for Panasonic	£9.99
CGA-S007 for Panasonic	£9.99
DMW-BCG10 for Panasonic	£19.99
DMW-BCJ13 for Panasonic	£19.99
DMW-BCK7 for Panasonic	£19.99
DMW-BLB13 for Panasonic	£19.99
DMW-BLE9 for Panasonic	£12.99
DMW-BLF19 for Panasonic	£19.99
DMW-BMB9 for Panasonic	£22.99
D-LI50 for Pentax	£12.99
D-LI90 for Pentax	£12.99
D-LI109 for Pentax	£12.99
SLM-1137D for Samsung	£9.99
SLM-1674 for Samsung	£12.99
BG-1 for Sony	£19.99
BX-1 for Sony	£14.99
NP-FM500H for Sony	£19.99
NP-FH50 for Sony	£19.99
NP-FW50 for Sony	£24.99

Professional Battery Grips

A range of professional battery grips from Hahnel. All can take two Li-Ion batteries for double the battery power. AA battery compartment and/or vertical shutter release and/or infrared remote, depending on model.

For Canon 50DmkII	£84.99
For Canon 50DmkII	£84.99
For Canon 7D	£84.99
For Canon 60D	£84.99
For Canon 550D	£84.99
For Canon 600D	£84.99
For Canon 650D	£84.99
For Canon 700D	£84.99
For Nikon D600	£84.99
For Nikon D800/D800E	£84.99
For Nikon D7000	£84.99

Universal Charger

The NEW Hahnel UniPal charger is able to charge AA, AAA, Li-Ion batteries, cameras, phones, iPods and more! Mains power cable, plus 12V car charger. Full details on our website. www.premier-ink.co.uk

AA & AAA Rechargeables

AA 1300mAh Layton (4)	£4.99
AA 2000mAh GP Raycho (4)	£7.99
AA 2000mAh Energizer Extreme (4)	£8.99
AA 2000mAh GP (4)	£8.99
AA 2900mAh Delkin (4)	£9.99
AAA 600mAh GP Raycho (4)	£5.99
AAA 650mAh Duracell (4)	£6.99
AAA 1100mAh Layton (4)	£4.99

Coin Cells & Lithiums

AA Energizer Ultimate Lithium (4)	£5.99
AAA Energizer Ultimate Lithium (4)	£6.99
CR123A Energizer Lithium (1)	£1.99
CR2 Energizer Lithium (1)	£1.99
2CR5 Energizer Lithium (1)	£3.99
CRV3 Energizer Lithium (1)	£5.99
LR44 Energizer Alkaline (2)	£1.99
CR2025, CR2032 etc	£1.99

SCREW-IN FILTERS

KODAK Slim Frame UV Filters	
46mm	£4.99
49mm	£4.99
52mm	£4.99
55mm	£5.99
58mm	£6.99
62mm	£7.99
67mm	£8.99
72mm	£9.99
77mm	£11.99
82mm	£14.99
86mm	£19.99
Marumi DHG Slim Frame Multicoated Clear Protection Filters	
46mm	£10.99
49mm	£10.99
52mm	£10.99
55mm	£11.99
58mm	£12.99
62mm	£14.99
67mm	£15.99
72mm	£17.99
77mm	£19.99
82mm	£22.99
KODAK Slim Frame Circular Polarising Filters	
46mm	£12.99
52mm	£14.99
55mm	£15.99
58mm	£17.99
62mm	£19.99
67mm	£22.99
72mm	£26.99
77mm	£29.99
82mm	£34.99
86mm	£39.99
KODAK Close Up Filter Sets (+1, +2 & +4)	
52mm	£26.99
58mm	£34.99
Marumi DHG Slim Frame Multicoated UV Filters	
52mm	£13.99
58mm	£15.99
62mm	£17.99
67mm	£19.99
72mm	£21.99
77mm	£24.99
Marumi DHG Slim Frame Multicoated Circular Polarising Filters	
52mm	£31.99
58mm	£35.99
62mm	£39.99
67mm	£44.99
72mm	£49.99
77mm	£54.99
82mm	£69.99
Hoya HMC Slim Frame Multicoated UV Filters	
37mm	£12.99
46mm	£12.99
52mm	£11.99
58mm	£14.99
62mm	£16.99
67mm	£18.99
72mm	£21.99
77mm	£25.99
82mm	£29.99
Hoya Pro-1 Digital Slim Frame Multicoated UV Filters	
52mm	£27.99
58mm	£32.99
62mm	£35.99
67mm	£39.99
72mm	£44.99
77mm SPECIAL	£39.99
82mm	£56.99
Hoya Pro-1 Digital Slim Frame Multicoated Circular Polarising Filters	
52mm	£52.99
58mm	£60.99
62mm	£67.99
67mm	£75.99
72mm	£90.99
77mm SPECIAL	£79.99
82mm	£120.99

SQUARE FILTERS

KODAK P-Type Filter System

The P-Type square/rectangular filter system consists of three parts:

- 1) An adapter ring that screws onto the front of your lens
- 2) A filter holder clips onto the ring
- 3) One or more P-Type (84mm wide) filters

KODAK square filters are manufactured in the UK, and are fully compatible with the Cokin P-Type filter system

49mm Adapter Ring	£4.99	Circular Polarizing	£29.99
52mm Adapter Ring	£4.99	ND2	£9.99
55mm Adapter Ring	£4.99	ND4	£9.99
58mm Adapter Ring	£4.99	ND8 NEW	£10.99
62mm Adapter Ring	£4.99	ND2 Soft Graduated	£11.99
67mm Adapter Ring	£4.99	ND2 Hard Graduated	£11.99
72mm Adapter Ring	£4.99	ND4 Soft Graduated	£11.99
77mm Adapter Ring	£4.99	ND4 Hard Graduated	£11.99
82mm Adapter Ring	£4.99	ND8 Soft Graduated NEW	£13.99
Standard Holder	£5.99	ND8 Hard Graduated NEW	£13.99
Wide Angle Holder	£6.99	Light Blue Graduated	£11.99
Filter Wallet (hold 8 filters)	£9.99	Dark Blue Graduated	£11.99
		Light Sunset Graduated	£11.99
		Dark Sunset Graduated	£11.99
		Light Tobacco Graduated	£11.99
		Dark Tobacco Graduated	£11.99
		Light Mauve Graduated	£11.99
		Dark Mauve Graduated	£11.99
		Fog (strong or light)	£9.99
		Diffuser (strong or light)	£9.99
		Starburst (x4, x8 or x16)	£12.99
		Close-Up (+1, +2 or +4)	£12.99
		Red, Orange, Yellow each	£9.99

Six-Piece ND Filter Kit £43.99

Here's a kit which includes all the popular ND filters, and everything you need to get started! The kit contains: 1x ND2 Filter, 1x ND4 Filter, 1x ND8 Soft Graduated Filter, 1x P-Type Filter Holder, 1x P-Type Adapter Ring of your choice (49-82mm).

LENS HOOD & CAPS

Bayonet-Fit Lens Hoods

A comprehensive range of all-weather matt black bayonet-fit lens hoods for Canon, Nikon and Sony lenses.

ES-62 Canon 50/1.8	£9.99
ES-711 Canon 50/1.4	£9.99
ET-60 Canon 75-300/4.5-6.8	£9.99
ET-65B Canon 70-300/4-5.6	£9.99
ET-67 Canon 100/2.8 Macro	£9.99
ET-67B Canon 60/2.8	£9.99
EW-60C Canon 18-55 IS	£7.99
EW-73B Canon 17-85 IS	£9.99
EW-78B Canon 28-135 IS	£9.99
EW-78D Canon 18-200 IS	£9.99
EW-78E Canon 18-55 IS	£12.99
EW-83E Canon 17-40/4.0	£12.99
EW-83J Canon 17-55/2.8	£12.99
HB-45 Nikon 18-55 VR	£7.99
SH-006 Sony 18-70/3.5-5.6	£9.99

Screw-Fit Lens Hoods

52mm Shaped Petal Hood	£6.99
55mm Shaped Petal Hood	£6.99
58mm Shaped Petal Hood	£6.99
62mm Shaped Petal Hood	£7.99
67mm Shaped Petal Hood	£7.99
72mm Shaped Petal Hood	£9.99
46mm Rubber Hood	£3.99
52mm Rubber Hood	£3.99
58mm Rubber Hood	£3.99
62mm Rubber Hood	£4.99
67mm Rubber Hood	£4.99
72mm Rubber Hood	£5.99
77mm Rubber Hood	£5.99

Lens Caps

Lens Caps Centre Pinch Style	£2.99
Lens Caps White Balance	£9.99
Body Caps Ni/Ca/Px/O/So	£3.99
Rear Caps Ni/Ca/Px/O/So	£3.99

STEPPING RINGS & MACRO

Step-Up and Step-Down Rings

Stepping rings are used to "step-up" or "step-down" from one filter thread size to another.

34-37mm	52-55mm	58-55mm	67-62mm
37-43mm	52-58mm	58-62mm	67-77mm
43-48mm	52-58mm	58-67mm	67-77mm
46-49mm	55-58mm	62-67mm	72-77mm
49-52mm	58-52mm	62-72mm	77-72mm

Over 180 different sizes in stock, from 25mm to 105mm. The largest selection in the UK! £4.99 each!

Reversing Rings

Coupling Rings	£12.99
	£11.99

Canon, Nikon, Sony, Olympus and Pentax. Sizes from 52mm to 77mm.

Extension Tubes

Canon, Nikon, Sony, Olympus and Pentax.

Right Angle Viewfinders

Adjustable eyepiece, adjustable magnification, 360 degree rotating body. Ideal for close-up work.

1.0X-2.0X	£49.99
1.0X-3.3X	£64.99

TRIPODS

VANGUARD

Vanguard AltaPRO263AT
Aluminium 3-section tripod with magnesium canopy and Multi-Angle-Central-Column.
Weight: 2.00kg
Load: 7.0kg
Folded: 65cm
Height: 165cm
RRP £160 NOW £89.99

SBH100		GH100	
Magnesium alloy ball head with twin adjuster knobs, 2 spirit levels, quick release plate.		Award-winning pistol grip head with spirit level, friction control and panoramic function.	
Weight: 0.39kg Load: 10.0kg		Weight: 0.75kg Load: 6.0kg	
£89.99 RRP £90	SAVE £20	£89.99 RRP £150	SAVE £60
SAVE £120			
AltaPRO263AT+SBH100			
RRP £310 NOW £159.99			



ASK THE EXPERTS AT
londoncameraexchange
THE UK'S FAVOURITE PHOTO SPECIALIST

VISIT YOUR LOCAL LCE FOR

NIKON D3300

TWIN KIT WITH 18-55MM VR II & 55-200MM VR LENSES

Small, lightweight, powerful yet easy to carry and operate D-SLR. Superior low-light performance (up to ISO 12,800), Guide Mode and optional Wireless Mobile Adapter for easy to upload photos to your favourite sites via a smart device.

24.2 MEGAPIXELS

£499.99*

* AFTER CASHBACK. IN-STORE PRICE £549.99



NIKON D5300

TWIN KIT WITH 18-55MM VR II & 55-300MM VR LENSES

DX-format camera with built-in Wi-Fi and GPS. Large vari-angle monitor and powerful low-light performance (extendable up to ISO 25,600).

24.2 MEGAPIXELS

£699.99*

* AFTER CASHBACK. IN-STORE PRICE £779.99



NIKON D7100

& 18-300MM VR LENS

DX format DSLR with EXPEED 3 processor, 6 fps continuous shooting and full HD movie recording. Teamed with 18-300mm F/3.5-6.3 VR lens.

24.1 MEGAPIXELS

£1199.99



**UP TO £175
NIKON WINTER
CASHBACK**

ON SELECTED CAMERAS, LENSES & ACCESSORIES
On redemption. Valid until 25/01/15. Please ask for details

NIKON D750

BODY ONLY

Full-frame FX sensor equipped camera with improved 51-point AF system, 6.5fps, plus built-in Wi-Fi and a vari-angle LCD. 1080/60p video recording.

24.3 MEGAPIXELS

£1799.99



CANON EOS 1200D

& 18-55MM IS LENS

Entry-level EOS for high quality photo and movies. Features full-HD video, ISO 6,400 low-light shooting, easy-to-use Feature Guide, EOS companion App and creative filters.

18.0 MEGAPIXELS

£299.99*

* AFTER CASHBACK. IN-STORE PRICE £319.99



**WINTER
CASHBACK**

ON SELECTED CAMERAS, LENSES & ACCESSORIES
On redemption. Valid until 21st Jan 2015. Please ask for details

**UP TO
£80
CASHBACK**
from Canon
ends 21/01/15

CANON EOS 100D

& 18-55MM IS STM LENS

Ultra-compact, super-responsive DSLR to take everywhere. Superb photos and Full-HD video. Features an optical viewfinder and intuitive touch-screen controls.

18.0 MEGAPIXELS

£399.99*

* AFTER CASHBACK. IN-STORE PRICE £429.99



CANON EOS 700D

& 18-55MM IS STM LENS

Vari-Angle Clear View LCD II Touch screen teamed with IS ultra-quiet (STM) lens.

18.0 MEGAPIXELS

£499.99

* AFTER CASHBACK. IN-STORE PRICE £549.99



CANON EOS 7D Mk II

BODY ONLY

A DSLR that's as fast as it is flexible. Built for those with a love of speed.

20.2 MEGAPIXELS

£1599.99

NEW



CANON EOS 7D

BODY ONLY

Award winning 18MP pro spec DSLR now with firmware upgrade for hugely improved operation.

18.0 MEGAPIXELS

£699.99



**Winter
WONDERLAND**

A magical place for photo enthusiasts!



www.LCEgroup.co.uk/wonderland

SEARCH OUR USED EQUIPMENT AT:

www.LCEgroup.co.uk



THE BEST NEW SYSTEM CAMERAS

OLYMPUS OM-D E-M10

& M.ZUIKO ED 14-42mm EZ MSC LENS

The most compact OM-D to date is also the most affordable. Eye-level electronic viewfinder with 1.4M screen resolution plus tilting 1.037M dot touch screen LCD deliver plenty of creative choice. 16.0 effective megapixels via 4/3-inch CMOS sensor, with up to 8 fps burst shooting, ISO25600 light sensitivity plus RAW and JPEG capture.

16.0 MEGAPIXELS

£659.99

OM-D E-M10 TWIN KIT

WITH M.ZUIKO ED 14-42mm EZ MSC & 40-150MM F/4-5.6 R LENSES

£799.99

5-YEAR WARRANTY

EXTRA 3-YEARS WARRANTY ON ALL OM-D PRODUCTS WHEN BOUGHT AT LCE.
Ends 24th Dec 2014. Requires registration. Ask in-store for details.



OLYMPUS OM-D E-M5

TRIPLE KIT

WITH EZ 12-50mm, 40-150mm F/4-5.6 & 45mm LENSES

16.0 MEGAPIXELS

£999.99

5 YEAR WARRANTY

OLYMPUS PEN E-PL7

& ED 14-42mm II R MSC LENS

The ultimate in style, elegance and sophistication. Great selfies, wi-fi image transfer & art filters.

16.0 MEGAPIXELS

£399.99



NEW

FUJIFILM FINEPIX X-PRO 1

WITH 27MM & 18MM XF LENSES

Fuji's original flagship model packs a punch for pro photographers wanting a lightweight alternative to a DSLR or Leica rangefinder camera. Now available packaged with two prime lenses in an outstanding value kit.

16.0 MEGAPIXELS

£799.99

GREAT VALUE TWIN PRIME LENS KIT



FUJIFILM FINEPIX X-T1

& XF 18-55MM OIS LENS

SLR-style mirrorless system with mechanical dials, weather-resistance & high-speed performance. Ultra-fast EVF, 3-inch tilting LCD and APS-C X-Trans CMOS II sensor.

16.3 MEGAPIXELS

£1199.99*

£100 CASHBACK
on redemption ends 11/01/15



* AFTER CASHBACK. IN-STORE PRICE £1299.99

PANASONIC LUMIX DMC-LX100 SONY α58

Full 4/3rd sensor, Leica 24-75mm (equiv.) f1.7-2.8 lens, electronic viewfinder and 4k video recording capability and classic styling. Please form an orderly queue!

16.0 MEGAPIXELS

£699.99

NEW

FREE RETRACTABLE LENS CAP
ends 30/11/14



SONY α58

& 18-55MM II SAM

SLT designed for speedy shooting with fast, accurate AF. Exmor APS HD CMOS sensor. High contrast Tru-Finder OLED viewfinder.

20.1 MEGAPIXELS

£299.99

3 YEAR WARRANTY



SONY α7

& FE 28-70MM SAM

Stunning 24.3MP Exmor CMOS full-frame sensor & newly designed 2.3MP XGA-OLED viewfinder. Accepts new FE lens mount accepts E or A mount via adapter.

24.3 MEGAPIXELS

£999.99



SONY α6000

& E 16-50MM OSS

Super quick autofocus in a highly portable package. OLED Tru-Finder™, manual controls and big a range of lenses available for a superior alternative to bulky DSLRs.

24.3 MEGAPIXELS

£499.99*



SONY LENSES

DT 55-300MM SAM

£50 CASHBACK ONLY

£99.99*

* IN-STORE PRICE £149.99 WITH A SONY CAMERA

DT 50 F1.8 SAM

£30 CASHBACK ONLY

£49.99*

* IN-STORE PRICE £79.99 WITH A SONY CAMERA



UP TO £50 CASHBACK
on redemption ends 11/01/15

BATH
01225 462234

CHESTERFIELD
01246 211891

GLOUCESTER
01452 304513

LONDON (STRAND)
0207 3790200

PORTSMOUTH
023 9283 9933

TAUNTON
01823 259955

BRISTOL (BALDWIN ST)
0117 929 1935

COLCHESTER
01206 573444

GUILDFORD
01483 504040

MANCHESTER
0161 834 7500

READING
0118 9592149

WINCHESTER
01962 866203

BRISTOL (BROADMEAD)
0117 927 6185

DERBY
01332 348644

LEAMINGTON
01926 886166

NORWICH
01603 612537

SALISBURY
01722 335436

WORCESTER
01905 22314

CHELTENHAM
01242 519 851

EXETER
01392 279024

LINCOLN (HIGH ST)
01522 528577

NOTTINGHAM
0115 941 7486

SOUTHAMPTON (CIVIC CTR)
023 8033 1720

OPENING TIMES:
Monday—Saturday
9am—5:30pm

CHESTER
01244 326531

FAREHAM
01329 236441

LINCOLN (SILVER ST)
01522 514131

PLYMOUTH
01752 664894

SOUTHAMPTON (HIGH ST)
023 8022 1597

Selected stores open Sunday
- please check for details.



28 BRANCHES NATIONWIDE

UK MAIL ORDER Next day delivery available from all LCE branches. Postage & Insurance £4.99 for most items. E. & O. E. Prices quoted include VAT @ 20%. Prices subject to change. Goods subject to availability.



The ORIGINAL commission sale specialists
We also PART EXCHANGE and BUY FOR CASH
Good quality equipment always wanted

[illegible]

Mail Order Hotline **01463 783850** **The Kirk, Wester Balblair, Beauly, Inverness. IV4 7BQ.** **E: info@ffordes.com F: 01463 782072**

ffordes
photographic



FUJIFILM

X-T1 + 18-55mm

CLAIM UP TO £200

*Claim **£100 CASH BACK** from Fuji when buying X-T1 **PLUS** receive an instant **£100** part exchange bonus* when you trade in a DSLR.*

We have the details - please ring us

* Part exchange bonus is over and above our normal quote

£1319

**CLAIM
£100**

£569

£919

FREE
XC 50-230mm lens

**Claim your FREE
XC 50-230mm
lens from Fuji
when buying
X-E1 or X-M1 kits.
Please ring us for details**



PHOTO SHOW
21st-22nd NOVEMBER
10am UNTIL 4pm
EXCLUSIVE SPECIAL
OFFERS ON THE DAY
Most Major Manufacturers In Attendance

Pay by Cash or Cheque plus...

Prices correct when compiled. E&OE.



Connect NOW

Established 1960

Good reasons to shop at MIFSUD PHOTOGRAPHIC

Canon

EOS FULL FRAME

1DX
body.....£4844

Please ask us about
extra **£400** part
exchange allowance
against Canon 1DX

5D MKIII
body.....£2299
plus 24-105 IS.....£2899

6D
body.....£1299
plus 24-105 IS.....£1799

MIFSUDS ARE CANON PROFESSIONAL STOCKISTS

EOS APS-C

7D MKII
body.....£1599

70D
body.....£799
plus 18-55 STM.....£929
plus 18-135 STM.....£1069

700D
body.....£479
plus 18-55 STM.....£549

100D
body.....£375
plus 18-55 STM.....£449

1200D
body.....£289
plus 18-55 IS II.....£379

COMPACT CAMERAS

NEW G7X...£579 SX60HS...£449
G1X MKII...£649

EF-S NON FULL FRAME LENSES

10-18 F4.5/5.6 IS STM...£299
10-22 F3.5/4.5 USM...£449
15-85 F3.5/5.6 IS USM no box...£599
17-85 F4/5.6 IS U no box...£199
18-55 F3.5/5.6 IS no box...£129
18-135 F3.5/5.6 IS STM...£319
24 F2.8 STM...£179
60 F2.8 Macro USM...£359

EF FULL FRAME LENSES

8-15 F4 L USM Fisheye...£999
14 F2.8 L USM...£1669
16-35 F2.8 MKII L USM...£1099
16-35 F4 L IS USM...£1079
17 TSE F4 L Shift...£1959
17-40 F4 L USM...£619
20 F2.8 USM...£389
24 F1.4 L II USM...£1224
24 F2.8 IS USM...£457
24 F3.5 L TSE MKII...£1479
24-70 F2.8 L II USM...£1549
24-70 F4 L IS USM...£869
24-105 F4 L IS USM no box...£599
24-105 F3.5/5.6 IS STM...£479

28 F1.8 USM...£389
28 F2.8 IS USM...£409
35 F1.4 L USM...£1099
35 F2 IS USM...£466
40 F2.8 STM...£1159
50 F1.2 L USM...£1149
50 F1.4 USM...£279 50 F1.8 II...£80
65 F2.8 MPE macro...£853
70-200 F2.8 IS L II USM...£1699
70-200 F2.8 non IS L USM...£989
70-200 F4 L IS USM...£959
70-200 F4 L USM...£489
70-300 F4.5/5.6 L IS USM...£1069
70-300 F4.5/5.6 IS USM...£429
85 F1.2 USM L II...£1549
85 F1.8 USM...£289
100 F2.8 IS L USM macro...£699
100 F2.8 Macro USM...£385
100-400 F4.5/5.6 IS L USM...£1239
180 F3.5 L USM Macro...£1109
200 F2.8 II L USM...£569
200-400 F4 IS L USM...£8749
300 F2.8 IS L USM II...£4899
300 F4 L IS USM...£1079
400 F4 DO IS II USM...£6999
400 F5.6 L USM...£989
600 F4 L IS USM II...£8899

Ext tube 12II...£59 Ext tube 25II...£115
1.4x III or 2x III converter each...£329

FREE
1.4x MKIII
or 2x MKIII
converter with
these lenses...

400 F2.8 IS L USM II £7799
500 F4 IS L USM II £7049

FLASH & ACCESSORIES

320EX flash...£169 430EX flash...£208
600EX RT flash...£468
MR-14EX II...£599
MT-24EX ringflash...£739
ST-E3 Speedlite transmitter...£239
BG-E16 grip (7D MKII)...£249
BG-E11 grip (5D MKII)...£229
BG-E13 grip (6D)...£169
BG-E14 grip (70D)...£219

Nikon

NIKON FULL FRAME

D4S
body.....£4679

Why not **PART EXCHANGE**
and **UPGRADE** to the
latest technology

D810
body.....£2398

D750
body.....£1799
plus 24-120 F4 VR.....£2349

D610
body.....£1279

MIFSUDS ARE NIKON PROFESSIONAL DEALERS

NIKON APS-C

D7100
body.....£799
plus 18-105 VR.....£937

D7000
body.....£569
plus 18-105 VR.....£699

D5300
body.....£504
plus 18-55 VR.....£577

D3300
body.....£379
plus 18-55 VR.....£414

DX NON FULL FRAME LENSES

10.5 F2.8...£539
10-24 F3.5/4.5 AFS G...£639
16-85 F3.5/5.6 AFS VR...£439
18-55 F3.5/5.6 AFS VR...£99
18-105 F3.5/5.6 AFS
G no box...£149
18-140 F3.5/5.6 AFS VR...£479
18-300 F3.5/6.3 AFS
G ED VR (latest)...£629
35 F1.8 AFS G...£169
40 F2.8 AFS G...£199
55-300 F4.5/5.6 AFS G VR...£259
85 F3.5 AFS G VR...£349

FX FULL FRAME LENSES

14 F2.8 AF D...£1239
14-24 F2.8 AFS G ED AFS...£1315
16-35 F4 AFS VR...£829
18-35 F3.5/4.5 AFS G...£549
20 F1.8 AFS G ED...£679
24 F3.5 PCE...£1499
24-70 F2.8 AFS G ED...£1245
24-85 F3.5/4.5 AFS G ED VR...£399

24-120 F4 AFS G ED VR...£819
28 F1.8 AFS...£495
28-300 F3.5/5.6 AFS G ED VR...£659
35 F1.4 AFS G...£1295
35 F1.8 AFS G FX...£465
35 F2 AF-D...£269
50 F1.4 AFS G...£299
50 F1.8 AFS G...£149
58 F1.4 AFS G 1 only...£1379
60 F2.8 AFS...£419
70-200 F2.8 AFS VR II...£1619
70-200 F4 AFS G ED VR...£969
70-300 F4.5/5.6 AFS VR...£439
80-400 F4.5/5.6 AFS G VR...£1899
85 F1.4 AFS G...£1179
85 F1.8 AFS G...£379
105 F2.8 AFS VR macro...£629
200 F2 AFS G VR II...£4079
200-400 F4 AFS VR II...£4888
300 F2.8 AFS G VR II...£3999
300 F4 AFS...£1029
400 F2.8 EFL ED VR...£10399
500 F4 AFS VR II...£5847

600 F4 AFS VR II...£7069
TC14EIII converter...£449
TC17EIII converter...£319
TC20EIII converter...£389

FLASH & ACCESSORIES

MBD16 Grip...£TBA
MBD15 Grip (D7100)...£249
MBD14 Grip (D600)...£219
MBD12 Grip (D800/E)...£279
SB-500 flash...£199
SB-700 flash...£239
SB-910 flash...£349

I AM HERE!!



D750
body
£1799
+ 24-120
f4 **£2349**

PART EXCHANGE WELCOME

Use your unwanted equipment to purchase the latest models.

We always offer a fair price - quoted quickly.

WE PART EXCHANGE, BUY FOR CASH OR COMMISSION SALE

Collection can be arranged, contact us at
info@mifsuds.com or ring **01803 852400**

For **FUJI. PANASONIC. PENTAX. SIGMA. TAMRON. LOWEPRO. VANGUARD.** Please see web

Family Run Pro Dealership with Friendly, Knowledgeable Staff. Open 7 days per week. Prices inc VAT - correct 31/10/2014. P&P Extra. E&OE.

Mifsuds
.COM
FAMILY RUN SINCE 1954



Mail Order :
01803 852400

Email - **info@mifsuds.com**

www.mifsuds.com

27-29, Bolton Street, Brixham. Devon. TQ5 9BZ.

PHONE LINES OPEN

MON -FRI 8am - 5pm,

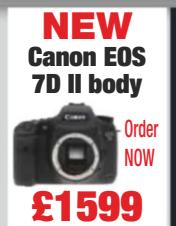
SAT 9am - 5pm,
SUN 10am - 1pm.

SHOP OPEN

MON -SAT 9am - 5pm,
SUN 10am - 1pm.

FREE COURIER DELIVERY FOR NEW ITEMS ORDERED ON-LINE (U.K. Mainland only)

WE WANT YOUR EQUIPMENT
WE PART EXCHANGE, BUY FOR CASH
OR COMMISSION SALE
 Collection can be arranged.
 contact us at **info@mifsuds.com**
 or ring **01803 852400**



Walker Titan XL M.....	E899	EOS 300/5.0 b/o ea.....	E20	Blows FL + slide dup.....	E89	645E + 80 + winder.....	E199	Dynaflex 70051 + VC700.....	E69	F80k blk.....	E79	MB-20 (F90X).....	E19	PANASONIC DIGITAL USED	
Schneider 90 F8 M.....	E249	10-22 F3.5/4.5 U L.....	E39	PB-E1 power booster.....	E99	645E body.....	E129	70057/701 body ea.....	E49	F80k blk/F801 body each.....	E49	MB-21 (fits FA).....	E19	LX7 box.....	E279
Schneider 180 F5.6.....	E179	17-40 F4 L M box.....	E479	CANON FLASH USED		645 Super comp.....	E179	Dynaflex 5 body.....	E39	F70 body black.....	E39	MC-30 remote.....	E49	LX3 box.....	E119
BRONICA ETRS 45 USED		17-40 F4 L M box.....	E449	199A.....	E49	645 Super body.....	E179	505SI Super.....	E25	F70/F55/F65/F801 b/o ea.....	E29	MC-36 remote.....	E99	GH2 body box.....	E219
AEII prism.....	E239	17-85 F4.5/5.6 IS U FS.....	E169	244T.....	E29	45 F2.8 N M box.....	E149	5000i or 300SI body.....	E19	10.5 F2.8 AFG. Fisheye M.....	E399	MT-23 (date back) FA.....	E99	G6 body M box.....	E79
ETRS + 75 EII + 120 RFH +		18-55 F3.5/5.6 IS EFS.....	E19	CONTAX SLR USED		55 F2.8 shift.....	E29	17-30 F2.8 M box.....	E149	10.5 F2.8 AFG. AFD.....	E249	MT-24 (date back) M box.....	E99	G1 body.....	E79
AEII prism + speed grip E249		18-85 F3.5/5.6 IS U FS.....	E19	317 Quartz body.....	E39	55 F2.8 shift.....	E29	35-70 F3.5/4.5 M box.....	E249	20-24 F2.4 D.....	E39	MT-25 (date back) M box.....	E99	G2 body sil/bk box.....	E169
ETRS + AE prism +		18-85 F3.5/5.6 EFS.....	E59	28-70 F3.5/4.5 MM M.....	E349	55-110 F4.5.....	E199/299	24-50 F4.....	E149	16-85 F3.5/5.6 AFS VR.....	E149	WT-5 box.....	E299	G1 body blk box.....	E89
speedgrip + 120 back.....	E139	20 F2.8 M box.....	E279	10-210 F3.5/4.5 ULD C.....	E179	105-210 F4.5 ULD C.....	E179	24-105 F3.5/4.5 AFD box.....	E179	17-32.8 F4.5.....	EPOA	NIKON MF USED		GF2 body.....	E79
ETRS + 75 PE.....	E199	24-70 F2.8 U M KIL.....	E899	10-210 F3.5/4.5 ULD C.....	E179	150 F2.8 A.....	E249	28-85 F3.5/4.5.....	E129	17-55 F2.8 AFS DX.....	E469	F2 + DP-1 blk.....	E199	GF3 body mint-c box.....	E69
+120 RFH.....	E199	24-85 F3.5/4.5 U sil/bk.....	E149	FUJI DIGITAL USED		150 F3.5.....	E79	35-70 F3.5/4.5.....	E229	18-30 F3.5/5.6 AFD.....	E249	F3 body blk.....	E399	14 SP body.....	E149
ETRS body.....	E199	28-135 F3.5/5.6.....	E219	S2 body box.....	E99	150 F4.....	E299	35-105 I4/5.6.....	E229	18-30 F3.5/5.6 AFS VR M.....	E479	FA body blk.....	E169	14-42 F5.5/6 FZ silv.....	E119
ETRS body.....	E99	50 F1.4 U M box.....	E239	XE-1 body.....	E239	Ex Telebus 1, 2, 3S each.....	E29	35-105 F3.5/4.5.....	E229	24 F2.8 AFD.....	E249	FE-2 body chr.....	E169	14-42 F3.5/5.6.....	E49
ETRS body.....	E99	50 F2.5 macro.....	E179	18-1 M body.....	E239	ViVitar 2x converter.....	E39	50 F2.8 macro.....	E179	24 F3.5 TSE M box.....	E109	FM2n body blk.....	E179	25 F1.4 Mint box.....	E369
45-90 F4.5/6 PE box.....	E449	50 F2.5 F4.5/6.....	E179	18-1 M body.....	E239	FE401 AE prism box.....	E179	85 F1.4 F4.5/6 D.....	E699	24-50 F3.5/4.5 AFD.....	E129	FM2n body blk.....	E179	25 F1.4 F4.5/6 box.....	E369
60 F2.8 PE.....	E139	55-250 F4.5 IS EFS.....	E69	10-210 F3.5/4.5 XC M.....	E119	50-230 F4.5 Super.....	E179	85 F1.4 F4.5/6 APO D.....	E109	24-50 F3.5/4.5 AFD.....	E129	FM2n body blk.....	E179	25 F1.4 F4.5/6 box.....	E369
75 F2.8 PE.....	E139	60 F2.8 EFS.....	E239	X100 Ltd Ed kit blk.....	E399	Plain prism (645 Super).....	E39	100-300 F4.5/5.6.....	E129	24-85 F2.8 AFD.....	E249	F24 F2 AIS.....	E339	LFV2 Viewfinder.....	E149
75 F2.8 EII.....	E129	70-200 F2.8 IS U LII M.....	E149	X100 silver.....	E399	PLF 645N/1000S/J.....	E49	135 F2.8.....	E149	24-120 F4.5 AFD.....	E719	F24 F2 AIS.....	E339	LVF1 Viewfinder.....	E79
100 F4 PE macro.....	E249	70-200 F2.8 U L M.....	E799	X100 leather case.....	E49	Polaroid back HP401.....	E29	500 F8 box.....	E389	24-120 F3.5/5.6 VR.....	E199	35 F1.4 AI.....	E299	M51 stereo microphone.....	E129
135 F4 PE.....	E199	70-200 F2.8 IS U L M.....	E749	X100 box.....	E49	Polaroid back.....	E29	VC9 prism.....	E39	28 F2.8 AF N.....	E199	35-70 F3.5/4.5 AIS.....	E299	M200	
150 F3.5 PE M box.....	E149	75-100 F4.5/5.6 MKIII.....	E89	LEICA DIGITAL USED		VC9 prism.....	E39	VC9 prism.....	E39	28 F2.8 AF N.....	E199	35-70 F3.5/4.5 AIS.....	E299	LEICA DIGITAL USED	
200 F4.5 PE.....	E149	75-100 F4.5/5.6 MKIII.....	E89	G617 + 105 F8.....	E899	VC9 prism.....	E39	VC9 prism.....	E39	28 F2.8 AF N.....	E199	35-70 F3.5/4.5 AIS.....	E299	LEICA DIGITAL USED	
250 F5.6.....	E149														

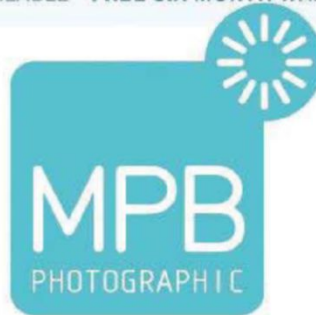
BUY ONLINE (new stock only)
- CHECK LATEST PRICES



Connect
now with
your QR
app

www.mifsuds.com

Hop online to browse our latest stock - unbeatable deals on cameras, lenses and accessories!



Buy, Sell or Part Exchange
www.mpbphotographic.co.uk
0845 459 0101

Sell Us Your Used Gear

with our famously **hassle-free** service

- ✓ Trade in for cash or an upgrade
- ✓ Free collection from anywhere in the EU
- ✓ Free next working day delivery on part exchange orders
- ✓ We buy most modern photographic equipment



FREE

Get a Quote

Fill in our quick online form or give us a call and let us know what you're selling. We'll give you a competitive quote within one working day.



We Arrange Collection

On a suitable day for you, at no extra cost.



You Get Paid

Directly into your bank account. If you're part exchanging, we'll send your purchased items on free next working day delivery.

www.mpbphotographic.co.uk
0845 459 0101



Cameras For Sale

★★ SECOND-HAND INTERCHANGEABLE LENSES ★★

M42 AUTO SCREW LENSES		NIKON - NIKKOR AI LENSES		OLYMPUS FIT LENSES	
135mm f2.8 Vivitar MC	£10.95	Nikkor 28mm f2.8 AI	£89.95	Mitakon 75/150mm f3.5	£8.95
70/160mm f3.5 Soligor	£7.95	Nikkor 300mm f4.5 AI and		Vivitar 75/205mm f3.8	£8.95
70/210mm f4.5/5.6 Miranda	£7.95	Prong + Case	£149.95	Hanimex 80/200mm f4.5	£8.95
70/210mm f4.5/5.6 Prakticar	£8.95	Set of 3 Nikon fit Tubes	£10.95	Mitsuki 90/230mm f4.5	£8.95
80/200mm f4.5 Hanimex	£8.50			Sigma 100/200mm f5	£10.95
80/200mm f4.5/5.6 Sigma	£8.95			Hanimex 200mm f3.5	£8.95
100/200mm f4.5 Sigma	£8.95			OM fit 2X Converter	£3.99
2X Converter + Case	£2.99			Kiron 7 Element 2X Con	£8.95
Asahi Bellows Unit	£11.95			Vivitar 3X Converter/case	£8.99
Russian Bellows Unit with Focus				OM Extension Tube 14mm	£10
Rail built-in	£13.95			49mm Reverse Adapter	£4.99
CANON FD FIT LENSES		MINOLTA AUTOFOCUS LENSES		PENTAX K FIT LENSES	
35mm f2.8 Steinheil	£8.99	Sigma 24mm f2.8 MF only	£39.95	Hanimex 28mm f2.8	£6.95
35/200mm f4.5/5.6 Tokina SD	£18.95	Minolta 28/80mm f3.5/5.6 D	£18.50	Formula 5 28mm f2.8	£6.95
39/85mm f3.5 Sakar multi-coated		Minolta 35/80mm f4/5.6	£13.50	Kenlock 28mm f2.8 MC	£7.95
(slight marks in lens) to clear		New Cosina 28/210mm f4.2/f6.5		Tokina 28mm f2.8 MC	£8.95
50mm f1.8 Canon FD	£12.95	Aspherical (retail £129.95)	£89.95	Sirius 28/70mm f3.5/4.5	£8.95
70/210 mm f4.5 Sigma	£13.50	Minolta AF Body Caps	£1.99	Hoya 35/70mm f3.5	£11.95
80/205mm f4.5 Super Orion	£12.95	Minolta AF Rear Lens Caps	£1.99	Pentax 40/80mm f2.8/f4	£48.95
80/200mm f4.5 Hanimex	£14.50			Hanimex 135mm f2.8	£5.95
Vivitar 2X Converter (scruffy)	£1.99			Super Paragon 135mm f2.8	
ATP 2X Converter + Case	£5.99			MC, front & back caps	£12.95
Set of 3 Extension Tubes	£8.95			Hoya 135mm f2.8	£9.95
New T2 Mount for Canon FD	£1.99			Sun 80/200mm f4.5	£10.95
Canon Rear Lens Cap	£1.99			Tokina 80/200mm f4.5	£13.95
Canon FD Body Cap	£1.99			Sirius 80/300mm f4/5.6 PKA	
27/T Flashgun + Case	£8.95			MC, zoom macro	£22.50
155A Flashgun + Case	£8.95			Cerlon 75/300mm f4.5/5.6	£19
244T Flashgun + Case	£8.95			Prinzflex 2X Converter	£3.99
Remote Cable 60-T3	£4.99			Pentax MEII Winder	£8.95
Canon FD to M42 Adapter	£4.99				
TAMRON LENSES - NO MOUNT		MINOLTA MD LENSES		PRAKTIKA BAY FIT LENSES	
500mm f8 CAT Lens/Case	£89.95	Miranda 24mm f2.8	£14.95	Prakticar 35/70mm f2.8/f4	£14
85/210mm f4.5 Tamron	£9.95	Mitakon 28mm f2.8	£8.95	Prakticar 70/210mm f4.5/5.6	£8
80/210mm f3.8 Tamron	£9.95	Sirius 28mm f2.8 macro	£9.95	Prakticar 80/200mm f4.5	£9.95
Tamron Pentax PK	£9.95	Ozunan 70/200mm f3.8/f4	£8.95	Praktika Body Caps	£1.99
Tamron Olympus Mount	£9.95	Vivitar 75/205mm f3.8	£9.95		
SP 2X Tele Converter	£13.50	Hanimex 80/200mm f4.5	£12.50		
Case for 80/210mm	£3.99	Kiron 80/200mm f4.5	£12.95		
Lens Hood for 85/210mm	£3.99	Gemini 2X Converter	£3.99		
		MD Rear Lens Cap	£1.99		
		MD Body Cap	£1.99		
AICO Video 2.0x Telephoto Lens		CANON AUTOFOCUS LENSES		UNUSUAL FIT LENSES	
takes Series 7 Adapter	£4.99	Sigma 28/70mm f2.8/Hood	£49.95	Miranda fit 35mm f2.8	£9.95
		Canon EF 80/200mm f4.5/5.6	£39	Tamron 80/210mm f3.8/f4	
				to fit Minolta ZE	£16.50
				Yashica AF 35/70mm	£9.95
				Fuji X 50mm f1.9	£4.99
				Fuji X Paragon 75/200mm	£14

Mail Orders by return, ask for Trish, Dave or Dennis
Tel: 0800 999 7880

DENTON
PHOTO
OPTICS

SHOP OPEN
WED/THURS/FRI
11am - 3.30pm



67 Manchester Road
Denton, Manchester
M34 2AF
norton.d@btconnect.com

Mail order 10am to 5pm MON-SAT

www.dentonphotooptics.co.uk a good sign

teddingtonphotographic
New and used photographic specialist

WE BUY & SELL QUALITY
USED PHOTOGRAPHIC
EQUIPMENT

020 8977 1064
www.teddingtonphotographic.com

OLYMPUS OMIN, OMAN, Omio 2x
50mm Zuiko's, 28th Miranda, 75-200
Zuiko, Prinzflex 80-200 OM 10 manual
adapter, T20 flash, reversing adapter
Ahh experiment, bargain at £180.00, no
offers, buyer to arrange collection.
Tel: 01329 841654

Classic Dealer

Buy or sell at Manchester's
largest selection of used
photographic equipment



The Real Camera Co.

Sevendale House
7 Dale Street
Manchester M1 1JA

Tel/Fax: 0161 907 3236

E-mail: sales@realcamera.co.uk

Colour Processing

City Photographic Lab Services
36, Bedford Place, Southampton, SO15 2DG. T: 02380 632727/632709

APS - 110 - 120 - 35mm
In-Store On-Line Mail Order

Mail Order Prices
P&P £4.50 Extra

110 & 35mm Film Developing and Printing		APS Film Developing and Printing	
24 Exposure 6x4.....	£5.49	4" 25 Exposure.....	£8.49
36 Exposure 6x4.....	£6.49	4" 40 Exposure.....	£9.49
24 Exposure 5x7.....	£7.49	Transfer to CD at time of processing.....	£2.50
36 Exposure 5x7.....	£8.49		
24 Exposure 6x9.....	£11.99		
36 Exposure 6x9.....	£13.99		
Develop Only.....	£3.49		
Develop and Contact 10x8.....	£6.99		
Transfer to CD at time of processing.....	£2.50		

Prints from Digital - see website
www.fujiprolab.co.uk

MALCOLM TAYLOR FOR CLASSIC LEICA SALES & REPAIRS SERVICE

Good stock of used Leica bodies,
lenses and accessories available.
Fully equipped workshop on premises for
repair and service of your classic Leicas,
R/F Nikons and Canons including
accessories and lenses and also vacuum
coating facilities. Please enquire.
M8-M9 Bit coding of lens ASK.

Upper Lye Farm, Aymestrey, Hereford, HR6 9SZ

Tel: 01568 770542

COMPLETE DARKROOM KIT Meopia
enlarger, rh design analyser, plus
Bronica Etrsi, 3 lenses, 3 backs, dozens
extras, suggest £1000 inc. offers,
Tel: 01952 592423

KENKO THREE EXTENSION automatic
tube set for Sony DSLR boxed as new,
£50. Also Marumi ring flash, boxed mint
condition, £50 & P + P.
Tel: 01404 891831

Camera Fairs

CAMERA FAIR POTTERS BAR
Sunday 16th November, Elm Court
Community Centre, Mutton Lane
EN6 3BP, M25 J.24
close to Potters Bar station
Admission. Earlybird 9.15am £4.
After 10.30am £2. Refreshments.
Details Peter Levinson
Tel: 020 8205 1518

Wanted

Peter Loy
COLLECTABLE CAMERA SPECIALISTS

CAMERA COLLECTIONS WANTED
Telephone: +44 (0)20 8867 2751
Call us - we can come to you (UK & Europe)
www.peterloy.com

Photographic Backgrounds

Hard wearing • Low crease • Washable

PLAIN
8' x 8', £15 PLUS P&P
8' x 12', £24 PLUS P&P
8' x 16', £29 PLUS P&P

CLOUDED
8' x 8', £27 PLUS P&P
8' x 12', £44 PLUS P&P

10 COLOURS INC BLACK, WHITE & CHROMA COLOURS

20 COLOURS. SPECIAL OFFER: 8 x 12 CLOUDED - 2 FOR £80 OR 3 FOR £115

01457 764140 for free colour brochure or visit
www.colourscape.co.uk

Light Tents

Light Tents, Tabletop Studios & Fluorescent Lighting

80cm Tabletop Studio Kit £229.90
200cm Portrait Studio Cube £299.00
Acrylic Riser Tables (Black+White) £19.95
7 Bulb Lighting + Octagon Softbox £299.00 pair

www.stevesphotoshop.co.uk

Fast Despatch
01530 272229
all prices plus p&p

Printing

Palm Labs Photographic

Processing & Printing

Palm Laboratory Ltd
69 Rea Street
Birmingham B5 6BB

Established 30 Years

Kodak & ILFORD Film now in stock

- E6 / Slide / C41 / Neg / B&W Film Processing
- Process & Print Packages on Kodak Paper
- Digital Package Deals on Kodak Paper
- 35mm / 120 / 5x4 / 10x8 Film's
- Traditional Black & White on Ilford Paper
- Optical Colour Handprints on Kodak Paper
- Drum & Whole film Scanning Services
- Exhibition Prints on Kodak Paper
- Digital C-type Print's on Kodak Endura
- Portfolio's and Student Discounts
- Lomography Prints and Scans
- Mounting Services ● Metallic / Gloss / Matt Paper
- Friendly Advice ● Postal Service

0121 622 5504
www.palmlabs.co.uk
info@palmlabs.co.uk



Final Analysis

Roger Hicks considers...

Challenger explosion (1986) by NASA



© NASA

Natraj – also Nataraj, Nataraja – is an aspect of the Lord Shiva. Shiva is held by many to be the principal deity of the Hindu pantheon. The dance of Natraj is the eternal destruction and recreation of the universe. ‘The universe’ is our perception. We cannot know others’ perceptions.


The loss of the *Challenger* was at once one of the greatest losses of the 20th century, and one of its greatest hopes: destruction and recreation. It was an enormous loss because seven very great human beings lost their lives: five men and two women. They truly were among the brightest and the best. They gave us enormous hope because sooner or later, from one cause or another, our planet must die. Humanity will survive only if we can colonise space.

In this light, the picture is beautiful. This is the future. Men and women will die. They will die here on Earth, from starvation and genocide and war and religious bigotry, as well as from mundane causes of old age and disease. They will also die in space: near space, outer space, deep space. Few ways are good ways to die, but some ways are better than others. Twenty-six centuries ago, Solon said, ‘Call no man happy until he dies.’ Croesus, the richest man in the world, was according to some reports burned alive. According to other reports, he was spared when he repeated Solon’s words.

This is a picture of a fireworks, a failed starburst of the future. The soft, puffy clouds of smoke, the curling lines, the sudden streaks of debris sum up the final few seconds of seven great lives, quite

probably ended in terror. *Eli, eli, lama sabachthani?* (My God, my God, why hast thou forsaken me?).

But this is incense burned for the soul of the eternal. As Yeats said, in *Easter 1916*, ‘All changed, changed utterly: A terrible beauty is born’. Or as the reporter Ernie Pyle said of the bombs, the fires, the searchlights and the barrage balloons of London in 1940, ‘These things all went together to make the most hateful, the most beautiful single scene I have ever seen.’ A few lines earlier he had written of a ‘monstrous loveliness’.

We must, therefore, see beauty in horror. Only in beauty is there hope. There is enough horror in the world. We must transcend it if we want a better world; a more beautiful world. Photography can help. 

Roger Hicks has been writing about photography since 1981 and has published more than three dozen books on the subject, many in partnership with his wife Frances Schultz (visit his website at www.rogerandfrances.com). Every week in this column Roger deconstructs a classic or contemporary photograph. Next week he considers an image by Cristina Casinelli

The latest **SPECIAL OFFERS** this Winter!

This Winter at Park Cameras, you'll find a whole range of special offers available on a diverse variety of products! Visit our state-of-the-art stores in **Burgess Hill** (West Sussex) or **Central London**, call us on **01444 23 70 60**, or visit **www.ParkCameras.com/AP**.

CANON POWERSHOT G7 X

Day or night, this expert Wi-Fi compact can deliver the images you want - thanks to a bright f/1.8-2.8 lens, large 1.0-type sensor and super responsive shooting.



Only £529.00* *Price includes **£50 cashback**.
SRP £579.00 You pay £579.00 & claim £50 from Canon UK. Ends 21.01.15

CANON EOS 700D + 18-55 IS STM

Produce superb photos and video with an 18-megapixel sensor and enjoy shooting with an easy to use Vari-angle Clear View LCD II Touch screen.



Only £499.00* *Price includes **£50 cashback**.
SRP £749.00 You pay £549.00 & claim £50 from Canon UK. Ends 21.01.15

CANON EOS 6D Body Only

The EOS 6D's 20.2 megapixel full-frame sensor is the ideal choice for portraiture, travel and landscape shooting.



Only £1,219.00* *Price includes **£80 cashback**.
SRP £1,799.99 You pay £1,299.00 & claim £80 from Canon. Ends 21.01.15

NIKON D5200 + 18-55 VR II

From breathtaking photos to smooth Full HD movies, this D-SLR can't wait to bring out your creative side.



Only £425.00* *Price includes **£40 cashback**.
SRP £469.99 You pay £465.00 & claim £40 from Nikon UK. Ends 25.01.15

NIKON D5300 + 18-55 VR II

With built-in Wi-Fi and GPS, this 24.2 MP DX-format camera lets you capture and share the magic of your world in incredible detail.



Only £529.00* *Price includes **£50 cashback**.
SRP £579.00 You pay £579.00 & claim £50 from Nikon UK. Ends 25.01.15

NIKON D750 Body Only

Free your vision with the fast, versatile, & agile D750. In a world where anything is possible, this full-frame 24.3MP powerhouse gives you the freedom to dare.



Only £1799.00 Claim an extra **£150 trade-in bonus** when part-exchanging your old camera. See website.
Limited stock available

FUJIFILM X30

A high quality compact camera that combines advanced technology, a traditional design and extensive manual control which makes it a joy to use.



Only £405.00* *Price includes **£50 cashback**.
SRP £459.99 You pay £455.00 & claim £50 from Fujifilm UK. Ends 11.01.15

FUJIFILM X-E2 + 18-55mm OIS

Whilst on the surface it looks as if little has changed, a new sensor and Fujifilm's unique phase detection AF system give the X-E2 phenomenal performance.



Only £729.00* *Price includes **£100 cashback**.
SRP £829.00 You pay £829.00 & claim £100 from Fujifilm UK. Ends 11.01.15

FUJIFILM X-PRO 1 + 18mm + 27mm

With a powerful 16.3 MP sensor, intuitive control & wide array of advanced technology, the X-PRO 1 is a powerful photographic tool.



Only £799.99* *Offer available when purchased from Park Cameras between 01.10.14 & 31.03.15.
SRP £1,628.99

TAMRON 18-270 f/3.5-6.3 Di II VC PZD

A compact telephoto zoom with extra reach. With an extensive shooting range and high quality optics, it's a popular choice for travel photography.



Only £279.00* *Price includes **£50 cashback**.
SRP £329.00 You pay £329.00 & claim £50 from Tamron UK. Ends 31.12.14

TAMRON 16-300 f/3.5-6.3 Di II VC PZD

This extremely versatile megazoom lens for DSLRs with an APS-C sensor, covers a huge focal length range & even allows you to take macro photos thanks to its short focussing distance of only 39cm.



Only £479.00* *Price includes **£50 cashback**.
SRP £529.99 You pay £529.00 & claim £50 from Tamron UK. Ends 31.12.14

SONY RX1

With its pro-level image quality, comfortable dimensions, and timeless design the RX1 series offers a compact camera with infinite possibilities.



Only £2,049.00* *Price inc. **£200 cashback**.
SRP £2,249.00 You pay £2,249 & claim £200 from Sony. Ends 25.01.15

Leica **NEW & IN STOCK AT PARK CAMERAS!**

Park Cameras are now a now Leica UK Premier retailer!

The Leica product range is available from our London and Burgess Hill Stores. Join us at our London store on 26th November to try out the latest product for yourself & get a free lunch! See **www.ParkCameras.com/Events** for full details.



PARKCameras



York Road
BURGESS HILL
RH15 9TT

Tel: 01444 23 70 60
www.ParkCameras.com/AP

53-54 Rathbone Place
LONDON
W1T 1JR

IRRESISTIBLE
OFFERS

CASHBACK



FREE LENS



TRADE-INs

FIND OUT ABOUT OUR LATEST CASHBACK
DEALS ON CSC CAMERAS AND XF LENSES.
PLUS TRADE-IN BONUSES.

OFFERS AVAILABLE FROM 1ST OCTOBER TO 11TH JANUARY 2015.
TERMS AND CONDITIONS APPLY

WWW.FUJIFILM.CO.UK/PROMOTIONS